TechKnowFile 2017 Program PDF

(As of March 20th, 2017)

DAY 1

26 Apr 2017

TRANSPORTATION DEPARTURE TO UTSC CAMPUS FROM UTM LIBRARY

7:30
IN FRONT OF UTM LIBRARY

TRANSPORTATION DEPARTURE TO UTSC CAMPUS FROM HART HOUSE

7:30
IN FRONT OF HART HOUSE

08:00 - 9:00

REGISTRATION & BREAKFAST AT

INSTRUCTIONAL CENTRE, UTSC

WELCOME REMARKS & KEYNOTE ADDRESS

9:15 - 10:30
IC 130
BRUCE KIDD
MICHAEL KAISER

10:30 - 11:00

MORNING REFRESHMENT BREAK – IC LOBBY

BROADCONNECT VOIP SOLUTION AT U OF T – BY TONY DANAS

11:00 - 11:50 A.M.
IC ROOM TA
Learn more about the new implementation of BroadConnect VoIP Solution at U of T. Highlighting the the roll out plan for the service, user features and service features.

GATHERING REQUIREMENTS THROUGH USER STORIES IN VOCABULARY EXPLANATION ACCELERATOR – BY SERGIO SANTILLI

11:00 - 11:50 A.M.
IC ROOM TBA

Problem:

Software requirements is a communication problem, those who want software solutions, must communicate with those who build it.

Purpose:

To capture a description of a software feature or requirements, from an end-user perspective. The use of user stories, help to create a simplified description of a requirement. Describing the type of user(s), what they want and why.

Methods:

Card: User stories are traditionally written on note cards. Cards may be annotated with estimates, notes etc …

Conversation: Details behind the story come out during conversations with the product owner / client.

Confirmation: Acceptance tests confirm the story was coded and built correctly.

INVEST: Independent, Negotiable, Valuable, Estimatable, Small, Testable

Results:

With the encouragement and integration of User Stories in the Vocabulary Expansion Accelerator, our development processes have been efficiently directed to meeting the client requirements, producing tangible and testable functionality in conveniently calculated increments.

Conclusion:

Stories are comprehensive (developers and clients understand them)
People are better able to remember events if they are organized into stories
Stories are the right size for planning
Supports and encourages iterative development
Can easily start with epics and disaggregate closer to development time.

CANCELLED: E-OFFER AND PRE-HIRE AT U OF T – BY ZAC RYAN

11:00 - 11:50 A.M.
IC ROOM TBA

This session is cancelled due to speaker availability. We apologize for the inconvenience.

HOW TO HANDLE SOCIAL MEDIA SLAMMING – BY MARDEN PAUL

11:00 - 11:50 A.M.
IC ROOM TBA

What to do when a community member is negatively targeted on social media like Twitter, Facebook, or other media sites? We've seen and heard about community members being harassed on social media with negative tweets, impersonated accounts, false news stories. There is often an expectation that your IT staff can resolve — even though we don't run the social media sites. This presentation, that will include advice from the University's Personal Safety and High Risk officer, will show you the steps to take when requested to assist with a social media related issue.

SLACK AS AN ALL IN ONE COMMUNICATION PLATFORM – BY ABDULRAUF GEHANI, KEVIN YANG & JOHN STEWART

11:00 - 11:50 A.M
IC ROOM TBA

At UTSC, we realized the need to improve team collaboration. We needed a public forum for information to be exchanged and for users to stay informed. Slack was chosen as a powerful medium to facilitate instant communication among and between teams. However, Slack's capabilities go beyond instant messaging. This solution enabled us to centralize notifications from server notifications, application bugs, desktop support and etc., into one common place. It allowed teams to be engaged in discussions as well as attending urgent alerts without shuffling through our massive inboxes. In this presentation, we will demonstrate how IITS utilized Slack and how we've been able to achieve more transparency across our department.

LIGHTBOARD SOLUTION AT U OF T FROM MADLAB @ GERSTEIN – BY MIKE SPEARS

11:00 - 11:50 AM
IC ROOM TBA

A lightboard is an open-source hardware lecture recording tool described as a “glass chalkboard pumped full of light.” Designed to allow the lecturer to face viewers while simultaneously writing examples and instructions on a transparent surface, it is an appealing teaching technology that has been built and is in use at a number of academic institutions in Canada and the United States. However, given the lack of commercial availability of ready-to-use lightboard hardware, institutions that wish to provide this technology face challenging factors in building and installing lightboards. At the MADLab (Mobile App Development Lab) @Gerstein Library we have designed a lightboard solution that dramatically simplifies the technology by solving many of the challenges of lightboard installation. Our solution is portable, does not require a large permanent space, meticulous cleaning, complex lighting or custom video production hardware. At the same time we can achieve more complex video effects than with a traditional lightboard. To achieve this we use a combination off-the-shelf hardware and custom (soon-to-be publicly available) software. The software was developed here at the MADLab. In this presentation I will do a live demo of our software and hardware, and discuss the design process in which we worked with librarians and teaching faculty to perfect the feature set of our solution. I will also answer questions and provide tips on implementing this technology in your environment.

ITS PMO- TAKING SHAPE – BY RAJIV KAUSHIK and MARGARET BURA

11:00 - 11:50 AM
IC ROOM TBA

ITS Project Management Office (PMO) was launched 2 years ago by the CIO to bring the best practices and methods of Project Management to ITS.The PMO has grown slowly, but surely, with an initial focus on managing large strategic IT projects for the university. It has also grown in size and scope, to now include Portfolio Management, and other upcoming practices. During this session, you will learn about the blueprint and future growth plans of the ITS PMO. These include PM Services, Portfolio Management, Business Process Re-engineering, suite of productivity tools and Change Management.You will have the opportunity to participate in a discussion about collaboration opportunities between the ITS PMO and rest of IT groups within the university.

THE UX DESIGN METHODOLOGY. NOT JUST FOR DESIGNERS – BY STEFANOS KYTHREOTIS

11:00 - 11:50 AM
IC ROOM TBA

This presentation is targeted towards people who are not familiar with User Experience Design, but work with UX Designers or need to have an understanding of the Design Process. It will highlight the value of the process, explaining the steps that should be taken along the way, what is involved in each step and finally how people from across different disciplines can benefit by knowing and implementing the design process.

11:50 - 14:00
LUNCH BREAK & VENDOR SHOWCASE IN INSTRUCTIONAL CENTRE LOBBY
11:50 - 14:00
HEALTHY CAMPUS ACTIVITIES

A SPECIAL PRESENTATION BY HUAWEI

14:00 - 14:50
IC ROOM TBA

More details coming soon!

A SPECIAL PRESENTATION BY DELL

14:00 - 14:50
IC ROOM TBA

More details coming soon.

DRUPAL ISN'T SCARY BY COLDFRONT LABS

14:00 - 14:50
IC ROOM TBA

Are you Drupal-curious? Drupal has been making headlines in the web development world as the CMS of choice for websites such as harvard.edu, whitehouse.gov, and redcross.ca. However, Drupal has gained a reputation of being daunting to learn. Let us show you that Drupal isn't scary! In this session, we'll give

you a quick overview of Drupal, its community, use-cases where Drupal makes sense, and showcase some basic site-building in Drupal.

This is a presentation by a TechKnowFile Sponsor Coldfront Labs Inc.

EPSON SOLUTIONS FOR HIGHER EDUCATION

14:00 - 14:50
IC ROOM TBA

For years, Epson products have provided higher education institutions with the resources they need to help their students succeed. Epson is proud to be a part of your quest for affordable pricing on the right products for your learning environment. Attend this session to understand the benefits of using Epson products in higher education environments.

Glenn Ricketts, *Commercial Account Manager for Epson Canada, will show you the latest in AV and Printing technology.*

A special feature presentation by TechKnowFile's sponsor EPSON.

COMPLEMENTARY TECHNOLOGIES IN DESKTOP 3D PRINTING BY SHOP3D

14:00 - 14:50
IC ROOM TBA

An introductory look into the technologies of Desktop 3D Printing. Delve into the qualities of 3D prints from both prosumer SLA and FDM printers and how the pros and cons of each type of technology produce a synergetic result. A demonstration of how a small 3D Print lab leveraging both types of printers can cover a much larger operational capacity than consolidating into a single technology process.

This is a presentation by a TechKnowFile Sponsor Shop3D.ca

A DATA CLASSIFICATION APPROACH TO INFORMATION SECURITY – BY JOHN DIMARCO, PHILIP WRIGHT, STEVE BUTTERWORTH

14:55 - 15:44
IC ROOM TBA

A Data Classification Approach to Information Security Information Security is vitally important, but it's very difficult: there is so much data to protect. Clearly not all data can be protected equally: the sheer scale of the task would result in poor protection. It's better to focus data protection efforts on data of greatest sensitivity. In Arts and Science, we have taken a collaborative data classification approach to Information Security, based on work originally done at Harvard University. We have produced draft security guidelines that identify five different levels of data sensitivity, and provide specific, proportionate recommendations for data security that take into account the sensitivity of each level. In our talk, we will outline our draft guidelines, explain why we made the recommendations we did, and describe how we pulled it all together.

NETWORK AND AV SPECIFICATIONS: UNLOCKING THE VALUE OF STANDARDIZATION – BY GLENN ATWOOD, BLAKE MARKLE

14:55 - 15:45
IC ROOM TBA

The UTSC AV Standard Guide was authored to ensure consistent user functionality, design and installation of AV systems in classrooms, meeting rooms and digital signs. The guide describes the user-facing features of AV systems, such as Teaching Stations, and specifies core equipment and system schematics. The Guide adopts improvements that solve shortcomings in previous TS iterations. It is revised periodically to ensure its relevance. The revision process takes input from user, support team and vendor feedback. The Guide is shared with vendors and some of its information feeds into procurement (RFQ & RFP) processes. In a similar manner the UTSC Network Cabling Specification was authored to ensure a consistent and repeatable design of the network cabling infrastructure to support all aspects of IT service delivery at UTSC. The target audience is both designers as well as installers and attempts to strike a balance that allows it to be useful to both. Also revised periodically input is gathered from installers, suppliers, manufacturers as well as interested parties in the UTSC community. Standardization does not only save cost but improves support services and avoids steep learning curves for users and technical team. It also allows for predictable project costs and allows UTSC additional tools to evaluate RFQ and RFP responses. The revision policy means that institutional knowledge is preserved and supports continuous improvement from project to project even when the makeups of the teams are different.

CHANGE IS THE ONLY CONSTANT – AN EFFECTIVE CHANGE MANAGEMENT FRAMEWORK – BY VIKRAM CHADALAWADA

14:55 - 15:44
IC ROOM TBA

While Managing small, medium and large enterprise projects, change is inevitable. What kind of IT change frameworks should I be reviewing and implementing within my organization to deal with constant change? How can I ensure this change framework is usable and works? Are there any measurement benchmarks to indicate that change management is effective within my Organization. Come find out more about effectively implementing change and building change communities within

the University of Toronto. This presentation will include real life case studies from implementing change within the Student Information Systems team at the University of Toronto.

LEARNING MANAGEMENT ENGINE AT U OF T – BY AVI HYMAN

14:55 - 15:45
IC ROOM TBA

The University is in the midst of one of its most important software acquisition processes in a generation – the selection of our next Learning Management software. This session will be devoted to informing the community on the current status of that project and all the considerations going into the decision making process.

THE JOURNEY OF TABLEAU AT UTSC – BY JOSEPH PETER MCNAMARA

14:55 - 15:44
IC ROOM TBA

The presentation will be an overview of the adoption of Tableau, a data visualization tool, at UTSC. The presentation will showcase some of the user experiences of Campus, Planning & Analysis, the Registrar's Office, and IITS. Some of the topics covered will be the need for data visualizations, the evaluation of alternate products, and the testing of Tableau. We will also cover the training and adoption of Tableau, the creation of dashboards at UTSC, and the development of knowledge sharing collaboration. As we are still in the early stages of implementation, lessons learned so far and future directives will also be discussed. This presentation will be jointly presented by representatives of Campus Planning & Analysis, the Registrar's Office, and IITS.

SUSTAINABLE DIGITAL DESIGN – BY ROB HUANG

14:55 - 15:44
IC ROOM TBA

Often a technical solution is thought of before a completely understanding the problem. This can result in products or services that are implemented without much thought given to the user and their issues. Although the initial solution may seem to solve the issue it can quickly become unsustainable due to constant user support and long hours of maintenance in order to keep things working. In order to reduce unnecessary support, increase longevity of a solution and empower your users; designers and developers need to think in user centric terms. This presentation will discuss methods that can be used to gain an understanding of the users needs and get to the core of the problem before, during and after

building or designing a solution. Topics that will be covered are: user experience design, design methodologies, designing for sustainability, designing as a coder.

MICROSOFT SCCM SYSTEM CENTER END POINT (SCEP) PROTECTION – BY AHMET TAS

14:55 - 15:44
IC ROOM TBA

This presentation shows how Endpoint Protection provides an anti-malware, virus and security solution for the centralized Microsoft platform. Presentation includes what is SCEP, how it works, how we unify security on Campus infrastructure. Advantage and disadvantages to use SCEP. How to improve security compliances on centralized Microsoft environment.

HOW TO PRESENT DATA: MORE DISPATCHES FROM THE DATAVIZ DISASTER ZONE – TONY GRAY & AURORA MENDELSOHN

14:55 - 15:44
IC ROOM TBA

Reflecting on lessons from data visualization failures. From data-ink to data-distraction, examples of charting illiteracy seem to be proliferating, either accidentally or nefariously. We will review a series of intentionally misleading visualizations and outright failures, offering suggestions for improvements, generalized lessons for effective visualization, and tools for data deceit detection. This talk builds on TKF 2016's Data Visualization talk with new examples and new applications. Presented in collaboration with Aurora Mendelssohn, Senior Research Analyst, Student Aid, Planning & Budget Office.

AODA AND THE WEB CONTENT ACCESSIBILITY GUIDELINES DISCUSSION PANEL

14:55 - 15:45
IC ROOM TBA

All new and significantly refreshed websites of the University that are publicly available must comply with the information and communications standards of the Accessibility for Ontarians with Disabilities Act. This discussion panel will introduce the participants to the concept of web accessibility as per the AODA and Web Content Accessibility Guidelines (WCAG) 2.0 and will provide helpful tools, tips and resources for

incorporating accessible design into web development. Participants will also be afforded the opportunity to ask any questions to the panel they may have regarding this topic and their own projects.

Members of the Discussion Panel:

Jay Menard, Content Strategist, Digital Echidna
Ben Poynton, Accessibility for Ontarians with Disabilities Act (AODA) Officer, University of Toronto
Mathew Winstone, CEO, ColdFront Labs

15:45 - 16:00

REFRESHMENT BREAK – IC LOBBY

SERVICENOW AND ITIL – WHAT, WHEN, WHY, HOW? BY MIKE YOUNG, SUSAN SENESE

16:00 - 16:50
IC ROOM TBA

In May 2016, UTM implemented the industry leading ServiceNow platform for IT service management. This presentation will cover the road to choosing ServiceNow, the RFP and project process, developing our own ITSM platform in the environment, and going live. Future plans and our roadmap for holistic service/request management will also be explored.

RAPID PROTOTYPING FOR BEGINNERS – BY LAURA KLAMOT

16:00-16:50
IC ROOM TBA

In this tutorial, you will learn to use User Experience Design methodologies and simple, inexpensive software to create a basic prototype for a website or web app. You will be guided through the early design phases of a project and learn how to save valuable time and money by identifying and resolving issues early on. This tutorial will be particularly useful to non-designers looking to learn quick and inexpensive ways to improve the design of a new or existing website or web app. It will also be useful to designers who would like to learn to bring their static mockups to life and produce tested and proven designs before they are developed.

THE HUMAN FACTOR IS THE WEAKEST LINK. CYBER SECURITY BEGINS WITH YOU! DESIGNING A

FRAMEWORK FOR CYBER SECURITY AWARENESS ACROSS A LARGE, DIVERSE INSTITUTION.

16:00-16:50
IC ROOM TBA

Co-Presenters: Tamara Bahr, Tamara Adizes Jacobs, Mike Wiseman, Rajiv Kaushik, Marden Paul, Chloe Payne, Alexander Cybulski, University of Toronto

Is your division or department cyber aware?

This 50-minute session will cover the Information Security Awareness Initiative at UofT.

Beginning in October of 2016 the University initiated a 7-month project to set the path for creating a culture of cyber security awareness across the institution. The project focusses on addressing cyber security awareness across four key audience groups including; Faculty, Students, Staff, and IT professionals across the academy.

The Tri-Campus effort kicked off with a colorful banner campaign for Cyber Awareness month in October and followed with multiple outreach and educational activities including Social Media, pop up booths, an educational website, Lunch and Learn sessions, Staff onboarding, and phishing simulation exercises.

Here we will introduce you to the team and provide an update on activities and the path forward for this important initiative.

I CAN DO THAT DAVE: FRIENDLY ROBOTS AT YOUR SERVICE – BY CARL CHAN & KURT BINNIE

16:00-16:50
IC ROOM TBA

The modern online experience is rife with “bots” that work in the background to help make our increasingly connected world more accessible. At OISE, we are exploring using different bots to help both faculty and students better connect with new interactive classroom technology, as well as augment our staff’s support toolkit to provide better user support. See how voice controls can provide a simpler user interface in our new 4k BYOD learning spaces, and how natural language chatbots can improve information flow between support staff and back-end systems.

INTRODUCTION OF ONLINE COLLABORATION LEARNING ENVIRONMENT IN TUTORIALS – INTEGRATED QUIZLET FOR COLLABORATION (IQC) – BY SOHEE KANG, BRIAN

HARRINGTON, MICHAEL DENNIS & NEEILAN SELVALINGAM

16:00-16:50
IC ROOM TBA

Rapid advances in communication technology are transforming the experiences of students in education. Mobile devices and wireless technologies allow a higher degree of flexibility in the ways students access learning materials, interact and collaborate with each other, and communicate with their instructors in both face-to-face and online courses. We will utilize this communication technology to create a collaborative learning environment for weekly assessment in tutorials. In this presentation, we introduce the Integrated Quizlet for Collaboration (IQC), which was created with the assistance of the ITIF (Instructional Technology Innovation Fund). The IQC is an online Immediate Feedback Assessment Technique (IF-AT) system for use in weekly tutorial assessment. This system works on any Internet connected device, and integrates with a leader board to encourage student engagement through positive reinforcement. The IQC provides a number of significant educational benefits, including better retention of course materials and increased student engagement. This web-based interface could be readily adapted to other courses providing the benefits of IF-AT cards, without additional effort or expense. We will present both the instructor/TA the student interfaces of the system. We will also demonstrate how the system allows students to quickly make ad-hoc groups in, and work on the quiz collaboratively. Two undergraduate students-developers will co-present in the session to share their experience.

THE DIGITAL SCHOLARSHIP UNIT (DSU) – BY KIRSTA STAPELFELDT

16:00-16:50
IC ROOM TBA

The Digital Scholarship Unit (DSU) at the UTSC Library aligns with campus and institution-wide services, and national and international communities of practice to provide the UTSC community with access to digital scholarship services. In the library, we work with liaison librarians to provide consultation and development services for experimentation and co-curricular pedagogy and collaborate with Archives and Special Collections for the creation of our local digital collections. The proposed session will outline our application infrastructure and services, as well as highlight our recent work to facilitate the creation, sharing, and preservation of digital annotations and transcripts for existing and emerging digital collections. See also: Digital Scholarship Unit

“PLEASE, SIR, I WANT SOME MORE GENETICS.”: DESIGNING INTERACTIVE ONLINE MODULES TO ENCOURAGE STUDENT-CENTERED LEARNING IN AN INTRODUCTORY GENETICS COURSE – BY MARIA PAPACONSTANTINOU

16:00-16:50
IC ROOM TBA

Online learning modules have been shown to engage students and enhance learning and retention of core concepts in a variety of subject areas (McFarlin, 2008; McFarlin et al., 2011; McLaughlin et al., 2014; MacKenzie and Ballard, 2015). A number of studies also suggest that students in active learning environments are more likely to perform better academically than those in more traditional face-to-face classrooms (Brooks, 2011; Walker, Brooks, & Baepler, 2011; Freeman et al., 2014; Weiman, 2014). To facilitate and reinforce understanding and application of foundational course concepts and principles, to foster student engagement and skill development, to support flexible learning through online materials, and to improve student learning outcomes, interactive re-useable learning modules were developed and delivered online to students as a novel teaching strategy (a “flipped” or “blended” class approach) in a large introductory genetics course. These self-paced online modules integrate active learning and assessment (both formative and summative) activities (e.g. interactive tutorials and exercises, review questions, quizzes, etc., with the provision of immediate feedback and explanations of answers) and allow delivery of course content outside of class time, enabling active learning-based activities that promote student engagement during face-to-face time, and contributing to the growing pool of resources and pedagogical strategies that support effective online learning. Given that this course is a foundational pre-requisite course for upper level studies within most life science disciplines, and several learning outcomes have traditionally been difficult for students to achieve using conventional pedagogical methods, it is expected that these online learning modules will address common conceptual difficulties among undergraduate students enrolled in introductory genetics courses while supporting course-specific learning goals. In this session, the creation and administration of the online learning modules, the intended learning outcomes, and the opportunities, challenges, and lessons learned will be discussed. In addition, examples of these online learning modules, and evaluative data collected and analyzed to assess student satisfaction with these interactive online modules as well as the effectiveness of these modules in translating key learning outcomes, will be shared to promote discourse on how participants can apply this teaching strategy in other educational contexts.

WHY SOCIAL MEDIA MIGHT BE THE BEST WAY TO DEVELOP NEW MODES OF LECTURE DELIVERY ON CAMPUS, ONLINE AND IN THE FUTURE – A CONTROVERSIAL VIEW – BY WILLIAM JU & SHREYA KUMAR

16:00-16:50
IC ROOM TBA

There is increasing interest from administration, faculty and students to develop lecture recordings that can be used in a multi-faceted ways including in online courses, flipped classrooms, as additional study aids, and for student accessibility services. This type of lecture recording and broadcast is often resource and time intensive, requiring specialized software such as Camtasia, Blackboard Collaborate, Adobe Connect or others, requiring hardware for in-class video capture as well as recording and editing studios. At the same time, development of recorded or streamed lecture delivery also places increasing demands on developing expertise that many faculty are

reluctant to engage in. Throughout the 2016-2017 semester we have experimented simultaneous in-class lectures, streaming and recording using various social media platforms. All recording types have had exceedingly positive reception from students who have used these lecture streams and their recordings. The advantages of using platforms such as OBS/Youtube, Facebook Live and Twitter/Periscope, their modes of delivery, pre-existing use of these platforms by students, ease of use, cost and time effectiveness will be compared and discussed in this presentation. In addition, this presentation will offer a student perspective on why these modes may in fact be better than more costly and intensive methods currently in place. Lastly, the presentation will end with a discussion on IT infrastructures that can more easily support these modes of delivery.

TRANSPORTATION BACK TO ST. GEORGE AND UTM CAMPUS

17:00
LOCATION TBA

DAY 2

27 Apr 2017

TRANSPORTATION DEPARTURE TO UTSC CAMPUS FROM UTM LIBRARY

7:30
IN FRONT OF UTM LIBRARY

TRANSPORTATION DEPARTURE TO UTSC CAMPUS FROM HART HOUSE

7:30
IN FRONT OF HART HOUSE

9:00 - 9:30

WELCOME TO DAY 2: COFFEE & REFRESHMENTS

SERVICENOW – INCIDENT, REQUEST, AND SERVICE CATALOGUE MANAGEMENT – BY ANDY SEMINE, ANTHONY BETTS

9:30 - 10:20
IC ROOM TBA

In May 2016, UTM implemented the industry leading ServiceNow platform for IT service management. This presentation will be a demo-heavy walkthrough of the UTM ServiceNow environment, covering Incident Management, Request Management, the user self-service portal, user feedback surveys, and the UTM I&ITS Service Catalogue.

HOW TO AVOID 1000 EMAIL: LEVERAGING RESOURCES & BUILDING CAPACITY FOR EVOLVING TECH – BY MICHAL KASPRZAK, MARIANA JARDIM, MARYAM SHAFIEI, MELVIN CHIEN, & WILLIAM HEIKOOP

9:30 - 10:20
IC ROOM TBA

Faculty, IT support staff, and administrators continuously face the challenges and pressures of evolving technologies in higher education: dealing with technical issues; talking to multiple stakeholders with different levels of tech knowledge; or introducing and supporting new technologies. Ensuring that you, your clients and your students can manage these changes successfully and seamlessly requires a combination of planning, building capacity and leveraging resources. So, how can you avoid answering thousands of emails related to these changes? This presentation will explore effective strategies for managing change related to technology in three key areas—documentation, training and communication—including, for example, tip sheets, guides, instructional videos, short webinars, workshops, and social media outreach.

JUPYTERHUB FOR TEACHING PYTHON (…AND BEYOND!) – BRIAN NOVOGRADAC & ROB NESS

9:30 - 10:20
IC ROOM TBA

For the Fall 2016 term, Bioinformatics Professor Rob Ness and System Administrator Brian Novogradac rolled out Jupyterhub for teaching Python to 3rd year biology students. This presentation will go over the back-end and teaching aspects of this tool, and its extensibility for teaching other computer languages. A demonstration and discussion will also be included.

KEEP IT SIMPLE: HOW TO WRITE A QUICK AND USEFUL WEB SERVICE – BY ALAN ROSENTHAL

9:30 - 10:20
IC ROOM TBA

There are many large-scale web-based application projects, some of them quite good; but I think that there should also be many SMALL-scale web applications. By adhering to the time-honoured software engineering principle of “Keep It Simple” (KISS), it is possible to produce quite functional and bug-free web applications quickly; at U of T you can even do UTORid authentication using “Shibboleth”. In this talk I will tell the story of the development of such a system and provide a “how

to" using Python, but you can equally-well use any modern programming language which has library support for CGI programs.

INFORMATION RISK MANAGEMENT ASSESSMENT TUTORIAL – BY SUE MCGLASHAN

9:30 - 10:20
IC ROOM TBA

SEA carries out Information Risk and Risk Management (IRRM) assessments, based on an answers gathered from an Information Risk Management Questionnaire (IRMQ). Is the process followed by ISEA useful as a starting place for you to assess risks to information under your care? This tutorial will provide partly answered IRMQs, and ask groups to go through evaluating information risk through the answers provided. In true tutorial style, your group will be asked to present your findings. This will give you a chance to take a quick look at the process. What is risk? We will use this simple definition, qualitatively: Risk is a measure of the likelihood that a threat will exploit a vulnerability times X the magnitude of impact it does so.

PROJECT CANOPUS – BY STEVE MARKS

9:30 - 10:20
IC ROOM TBA

Libraries. Libraries never change. The Babylonians built one of the first libraries from stacked clay tablets and a thirst for knowledge. Egypt created a library at Alexandria so grand, it became a wonder of the ancient world. But libraries never change. Well, maybe they do, in some ways. While the mandate of the University of Toronto Libraries remains to collect, preserve, and provide access to scholarly resources created and used by U of T researchers, the nature of those resources has undergone a massive shift. We are collecting and curating an ever-increasing amount of digital content, in our traditional collection areas, but also in areas like research data. This change in our collections brings with it new opportunities (broader access, the ability to engage in text and data mining) but also new challenges in how we keep these resources whole, integral, and usable by research communities. Project Canopus is a new, 2-year initiative to advance the state of digital preservation at the University of Toronto Libraries. A partnership between the University of Toronto Libraries Information Technology Services and Scholars Portal, the project has identified three key deliverables: a unified digital asset management system (DAMS), a preservation processing pipeline, and an end-user-facing "Dropbox" style client to aid in transfer of digital content on campus. This session will talk a bit about the institutional and technical context for the Canopus work, and then dig into the specific deliverables, with a focus on how each of these items will support the longevity of the University of Toronto's digital legacy.

TURNING MACHINE DATA INTO REAL-TIME INSIGHTS – BY JOHN HARPER & WEIJUN GAO

9:30 - 10:20
IC ROOM TBA

At UTSC, we use Splunk to collect, index, analyze and visualize important machine data, and use Splunk to generate reports, monitor systems, troubleshoot, debug and bridge systems and services. We'll share our Splunk implementation and typical use cases and we'll go through a few examples to demonstrate how to use SPL, Splunk REST API and embedded reports, etc.

TUTORIAL ON CREATING FULLY INTERACTIVE MOBILE-READY APP/WEBSITE PROTOTYPES – BY EVAN MOIR

9:30 - 10:20
IC ROOM TBA

When building software for audiences that rely heavily on mobile devices, it's important to be able to quickly test app design concepts directly on said devices to get useful usability feedback. Yet with many popular rapid prototyping tools, it's not clear how to make prototypes that work well on mobile and behave like the slick modern apps many users are accustomed to.This is a tutorial focused on creating fully interactive mobile-ready app/website prototypes.

Focus Areas:

1. Making prototypes behave on mobile
2. Ensuring fluid interactions
3. Keeping your prototype lean and manageable

I'll work primarily with the rapid prototyping tool Axure, building a simple prototype from scratch, and if time allows examining a larger, more complex existing prototype.

10:20 - 10:45

SNACK BREAK AT INSTRUCTIONAL CENTRE LOBBY

CONNECTING ELECTRONICS WITH SCIENCE: FROM COLLABORATIONS AND TROUBLESHOOTING TO CUSTOM ELECTRONICS DESIGN AND MANUFACTURING – BY JACK JACKIEWICZ, AMY HRDINA, MEGAN WILLIS, & VIOLETA GOTCHEVA

10:45 - 11:35
IC ROOM TBA

There is a mix of old and new scientific equipment in almost every research lab at the University of Toronto. From simple heaters and stirrers to gas chromatographs and liquid-gas-cooled electron microscopes, faculty and students are reaching often to new designs and uses for laboratory equipment to be able to solve challenging scientific problems. The Electronics Facility at the Department of Chemistry works with scientists to support their efforts in finding the best designs, affordable fixes and highly customized solutions. Via collaboration with our customers, we are able to meet their needs with up to date microprocessor controlled designs. In this talk, we will feature selected electronics projects developed by the Chemistry Electronics Facility and inspired by the faculty and students.

DANCE WITH JS – BY XIN (LINDA) XIANG

10:45 - 11:35
IC ROOM TBA

At the browser side, JavaScript has become the most popular programming language to develop interactive web sites. Many frameworks and libraries are created for developers to build a beautiful dynamic web site quickly. At the server side, the old favourite scripting languages for creating dynamic interactive web sites are also evolving. How to join the two sides so that I can take advantages of both ends? In this presentation, I would like to demonstrate my merging of a back end framework, Dancer2, with a front end framework, Web Starter Kit.

LTI INTEGRATION WITH QUIZZICAL – BY ADON IRANI

10:45 - 11:35
IC ROOM TBA

In this session we will discuss the software development project, Quizzical – an active learning Ed Tech app designed and developed at UTSC. Funded through ITIF and UTSC Teaching Enhancement grants, Quizzical is now integrated with our LMS via Learning Tools Interoperability (LTI) and currently being piloted in 2nd year Biology course, with 500 students, …In 48 hours leading up to midterm, students took practice quizzes and attempted 21,000 questions. Our session will focus on how client (faculty) interests and research/learning goals were successfully integrated into the project requirements, and discuss design obstacles in achieving LTI-compliance (e.g. handling the roster sync students adds/drops).

For more info, check out: https://www.utsc.utoronto.ca/technology/quizzical

THE OCUL HISTORICAL TOPOGRAPHIC MAP DIGITIZATION PROJECT – BY KEVIN WORTINGTON

10:45 - 11:35
IC ROOM TBA

The OCUL Historical Topographic Map Digitization Project has digitized and made available for public use a collection of over 1100 topographical maps for Ontario. These maps, published between 1904 and 1977, provide historical snapshots that allow researchers, students and the

general public to explore changes over time. Join the lead programmer of this project Kevin Worthington as he walks through how these maps were integrated within Scholar's Portal Geoportal, and learn how they can be used to identify and highlight issues such as erosion, urban sprawl, transportation growth and disappearing waterways.

WELCOME TO UOFT'S BLUE TEAM – BY ALLAN STOJANOVIC

10:45 - 11:35
IC ROOM TBA

In the past 5 years there have been quite a number of improvements to the information security posture of the University. They have dealt with all sorts of things ranging from PCI compliance, the IRRM process, embedded security requirements in the RFP process, early detection of suspicious activity, multi-factor authentication, and much much more. We are about to enter the next major milestone in our long term goals, and it has everything to do with YOU. Some of the best defence we have lies with YOU. Some of the best detection we could hope for is from YOU. Welcome to Information Security. Welcome to UofT's blue team. This presentation will allow you to understand the Security Ecosystem as is, how it helps you, and how you add to the system in your every day role.

TEST DRIVE SYSTEM ADMINISTRATION – BY STEVEN BUTTERWORTH

10:45 - 11:35
IC ROOM TBA

Many programmers have at least passing familiarity with Test Driven Development, wherein tests are written along with, or even in advance of, the functional code. In this talk, I will discuss the idea of Test Driven System Administration. Working in conjunction with conventional service and host monitoring, we can improve reliability and security by writing tests and generating reports that confirm our systems are in the state that we think they are. With the right infrastructure in place, we can run those tests periodically or even when specific system state changes. – Are the permissions on that filesystem still consistent with your intended settings? – Does every storage volume have a backup volume? Do the backup files have the same content as the source files? – You installed that latest OpenSSL patch, right? Did you also check that it really mitigated the exploit? Do you check again every night? – You just dropped the firewall to perform some testing. Did you remember to turn it back on? We all make mistakes. Let's get the system to tell us before they cause problems.

IT'S A GAME OF JEOPARDY! CYBER SECURITY STYLE! – BY TAMARA BAHR, TAMARA ADIZES JACOBS, & CHLOE PAYNE

10:45 - 11:35
IC ROOM TBA

Come for your chance to play a real game of Jeopardy! Standing in for Alex Trebek will be the Information Security Awareness & Education program **Dream Team:** Tamara Bahr, Tamara Adizes Jacobs and Chloe Payne! Do not miss this… prizes, team building and best of all, intense Cyber Security knowledge testing! Are you up for the challenge?

STUNNING DESIGN FOR EVERYONE: COLLABORATIVE DESIGN USING CANVA – BY SHEILA EATON

10:45 - 11:35
IC ROOM TBA

What is Canva:

Introduction and Benefits

Collaborative Workflow:

How to use Canva

- setting up your brand colours and fonts
- uploading logos, images
- creating templates and graphics
- integrating Canva into departmental design workflow

Canva in Action and Quick Tips:

Samples of St. Mike's Social Media, Event/Lecture Promotions, and Presentations

Questions

UTORGROUPER, OR "HOW TO STOP WORRYING ABOUT MANAGING GROUPS AND ACCESS CONTROL" – BY PETER ST. ONGE

10:45 - 11:35
IC ROOM TBA

UTORGrouper: If you figuratively suffer from any of the following:

* Headaches caused by having to remember too many user names and passwords for your applications?

* Loss of appetite from having to keep different user lists up to date?

* Loss of sleep from having to manage access to different applications?

* Loss of work from having to handle last-minute access requests?

Then maybe UTORGrouper is right for you! Put simply, UTORGrouper allows non-IT staff to manage access to information resources (web applications and web sites, system access, mailing lists, etc etc etc) using a simple web interface. This talk will give an overview of what UTORGrouper is, how it works, and demonstrate it live. (Side effects may include delegated access management, real-time updates, improvement in productivity, reduction in information risk, better service, happier users, world peace.)

PARTING THOUGHTS AND PARTING SHOTS – BY TERRY JONES

11:45 - 12:35
IC ROOM TBA

This will be my last TechKnowFile as I officially retire the day after TechKnowFile 2017 if all goes as planned. A little bit of history and a random collection of thoughts and suggestions for the great group of techies and users that I leave behind.

SERVICENOW – PROBLEM AND CHANGE MANAGEMENT (UTM) – BY RISHI ARORA, ANTHONY BETTS

11:45 - 12:35
IC ROOM TBA

In May 2016, UTM implemented the industry leading ServiceNow platform for IT service management. This presentation will be a demo-heavy walkthrough of the UTM ServiceNow environment, covering Problem Management, root-cause analysis, Change Management, and the UTM Change Advisory Board.

MARKDOWN FOR WRITING MORE EFFICIENTLY FOR THE WEB. – BY NEAL MACINNES

11:45 - 12:35
IC ROOM TBA

Markdown is an easy-to-use markup language that can streamline the process of writing content for online platforms such as faculty websites, help desk knowledge bases, learning management systems, blogs, and content management systems. At the faculty of Nursing I currently use markdown to streamline the publishing of content to our learning management system as well as for publishing our online resources. Markdown promotes readability and semantic markup for more accessible web content and is being supported by more and more web applications. The simplicity of Markdown make it ideal for

learning in a 50-minute session and the knowledge gained can be easily put into practice without needing a deep technical knowledge.

The learning outcomes of this session would be for participants to:

1. Be able to identify basic markdown concepts and tools
2. Be able to write basic markdown and convert it to HTML for publishing online

THE TWO-SIDED MOBIUS STRIP OF DESIGN: A DEVELOPER'S GUIDE TO BUILDING APPLICATIONS FOR HUMANS – BY MICHAEL MONCADA

11:45 - 12:35
IC ROOM TBA

The area of User Experience (UX) is a blended area of expertise that involves several cross-cutting academic disciplines include Human Computer Interaction (HCI), Cognitive Psychology, and Anthropology. Please join me as I discuss simple ways engineers can apply UX principles to help enhance the overall design of their applications. This presentation is meant to offer insight to engineers, designers and quite frankly anyone who is concerned with balancing great system engineering with increased user satisfaction, engagement and goal fulfilment. As an added bonus, for those with technical chomps, examples will incorporate snippets using AngularJS 2/Typescript 2/HTML5 and liberally incorporate the aid of UX resources freely available on the web.

TUTORIAL ON PROTECTING YOUR WEBSITES AND APPLICATIONS FROM CYBER ATTACKS – BY SAM XU

11:45 - 12:35
IC ROOM BA

The Internet is a wild place… there're hundreds of attacks targeting our sites and applications each day. We've learned a lot in the area of cybersecurity, and would love to share our knowledge with the community. We'll cover the following topics with practical examples and documentations: Firewall is a must! (Must be installed, enabled, and properly configured.) Basic Linux operating system security, including two-factor authentication Apache web server security, enhanced logging and reporting MySQL Database security and SQL injection prevention Use SFTP and SSH instead of regular FTP Always write code with security in mind Really effective security plugins for Drupal and WordPress

AGILE: CULTURE SHIFT FROM VP TO DEVELOPER – BY RAJIV KAUSHIK

11:45 - 12:35

IC ROOM TBA

Your team may say it is Agile, but is it really Agile? And can your team be Agile without your Stakeholders and Leadership Team changing their mindsets, expectations and organizational hierarchy? As an example, if you expect your Agile Scrum team to deliver on a fixed scope in a fixed duration, you have set them up for failure from the start. So how exactly do you deal with the uncertainty of one or more of the legs of your stool (scope, time, people) coming up short. What is the approach of “done enough” and how does it impact your commitments? Success with Agile requires a culture shift at all levels of the organization. This starts with co-ownership between business and IT. As a primary stakeholder, you have a problem if you are at arms length- hearing updates and providing inputs once every two weeks. During this session, learn and participate in a discussion about cultural shifts needed at all layers of the organization for products and services to be delivered efficiently and with acceptable quality.

WHAT I LEARNED ABOUT USER EXPERIENCE DESIGN FROM MY DAD, THE CARPENTER BY MIKE CLARK

11:45 - 12:35
IC ROOM TBA

User experience design at the University of Toronto typically concerns itself with online services. However, the notion of user experience and associated user-centred design practices can be generalized across many domains and mediums. Correspondingly, the lessons learned in other domains can be applied to our own local context. This presentation will tell an eclectic story of lessons learned from an old Saskatchewan farm boy and employed today by one of U of T’s senior user experience practitioners. Embarrassing childhood photographs of the speaker will also be provided.

THE NEW ROSI PLATFORM – BY FRANK BOSHOFF

11:45 - 12:35
IC ROOM TBA

The New ROSI Platform NGSIS will replace the mainframe with a distributed Linux platform in 2018. Migrating from a proprietary platform with roots in the 1970’s, to a more modern infrastructure will enable new opportunities for student-related processes, increase capacity (more students will be able to register simultaneously), and decrease operational costs. The presentation will explain the new infrastructure architecture, the benefits of the increased capacity, the impact to ROSI users, and the new possibilities that will become available to Divisional IT departments.

12:45 - 13:15
CLOSING REMARKS & PRIZE GIVEAWAY
13:15 - 15:00

TECHKNOWFILE UNIVERSITY BBQ RECEPTION 2017

UNCONFERENCE

13:15 - 15:00
VARIOUS ROOMS TBA

TRANSPORTATION BACK TO ST. GEORGE AND UTM CAMPUS

15:15
MILLER LASH HOUSE