Tonny Lay

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EDUCATION

YORK UNIVERSITY - LASSONDE SCHOOL OF ENGINEERING
Dual Degree Prog: B.Eng. Hons. Computer Engineering & B.A. International Development Studies
Expected Apr 2017 | Toronto, ON
Awards: Ontario Professional Engineers Undergraduate Scholarship

UNIVERSITY OF WINDSOR
Bachelor of Science Honours in Biochemistry, Minor in Applied Information Technology
Apr 2012 | Windsor, ON
Awards: President's Honour Roll, Dean's List, U of W Community Scholars Award

SKILLS

- Proficient in Java within a Linux and Windows environment using Eclipse
- Proficient in Web design using HTML5 and CSS3
- Intermediate C, Python, Javascript, MySQL
- Introductory knowledge in Spring, AngularJS, Bootstrap frameworks
- Introductory knowledge in Android development

PROJECTS

DESIGN, IMPLEMENTATION, & EVALUATION OF A GUI | GITHUB.COM/SkylerClayne/TheFamousGuernica
Institute of Computer Science FORTH, Heraklion, Crete, Greece (Final Grade A)
- Designed a hypothetical UI of a student web portal following usability principles in Adobe Fireworks
- Implemented using HTML5, CSS3, and jQuery
- Evaluated usability through user testing, interviews, and SUS questionnaires

TWITTER MINING & SENTIMENT ANALYSIS | GITHUB.COM/birdylay/twittermining_canadaelxn
- Python application that mines twitter data related to the Canada Federal Election 2015 into a MySQL database
- Utilises machine learning classification algorithms to determine current sentiment of tweets related to major parties

EXPERIENCE

ROYAL CANADIAN NAVY | Naval Reserve Information Management System Administrator
May 2010 – Present | Toronto, ON
- Performed human resource administration services and financial management support services for military personnel using PeopleSoft applications and Microsoft Office
- Maintained the training and qualification database of military personnel at Her Majesty's Canadian Ship YORK

CIBC | Application Developer
May 2015 – Aug 2015 | Toronto, ON
- Contributed to the front-end development of an enterprise application using the Spring MVC framework and AngularJS
- Prepared documentation of existing and newly created procedures within the system

VIRTUAL REALITY & PERCEPTION LABORATORY, York University | Research Assistant
Sep 2014 – Apr 2015 | Toronto, ON
- Supported the development of experimental software using Python and the Vizard Virtual Reality Software Toolkit for stereoscopic simulation technologies

BRAMPTON EMERGENCY MANAGEMENT OFFICE | Technical Intern
Jan 2014 – Jun 2014 | Brampton, ON
- Utilised SharePoint to enhance information sharing abilities and updated databases of the Emergency Operations Centre
- Participated in emergency preparedness simulations and emergency management courses

ESERVICES OFFICE, York University | Computer Lab Monitor
Sep 2013 – Apr 2014 | Toronto, ON
- Provided assistance on computing services, account and password problems, printing problems, use of lab equipment, and hardware problem diagnostics and repair
- Responsible for lab facility opening and closing, lab partition arrangements and lab policy monitoring

EXTRACURRICULAR

IEEE - York Branch | Co-Chair Undergraduate
2015 - Present | Promotes engineering processes in electro tech to benefit the global community
- Assisted in the launch of the IEEE York Student Branch and organised the promotion of IEEE on campus

Engineers Without Borders - York Chapter | VP Communications
2015 - Present | Dedicated to improving the livelihood of people in developing countries through systemic change
- Recruited students to join the initial launch of York's chapter
- Collaborating in implementing the global engineering curriculum and fair trade on campus

Lassonde Engineering Society | VP Development
2013 - Present | Student organisation officially representing engineering students to the faculty and university
- Maintained and updated website using WordPress
- Attended professional development conferences geared towards engineers
- Represented students in terms of academic concerns at monthly Faculty meetings

Chemistry Society at York | VP Communications
2013 - 2015 | Aiding chemistry students both academically and professionally
- Redesigned organisation logo and event posters
- Provided services, such as: past exam packages, informal advising, and communication of local chemistry events