

EDUCATION

Masters of Engineering in Industrial and Mechanical Engineering, 2018 | University of Toronto

Product Design	MIE 540	Intelligent Robots for Society	MIE 1070
Data Science	MIE 1624	Human Factors Engineering	MIE 1401
Advanced Mobile User Interfaces	ECE 1782		

Bachelor of Applied Science in Honours Computer Engineering, 2015 | University of Waterloo *With Management Sciences Option*

User Centred Design Methods	SYDE 348	Embedded Software	ECE 455
Engineering Design Project	ECE 498A/B	Computer Security	ECE 458
Database Systems	ECE 356		

WORK EXPERIENCE

Latency Hammer Architect (Prototype Engineer) | Tactual Labs Sept—Dec, 2014

- Built Arduino driven tool (“Hammer”) to measure latency between user input on touch screens and onscreen feedback.
- Designed & 3D printed a custom enclosure to improve portability and protect touch input + controller boards.

Software Engineer | EventMobi Jan—May, 2013

- Localised product for several languages in order to increase accessibility.
- Created specifications, designed, & developed (architecture, RESTful API) internal tool for Account Managers to increase efficiency in fetching client info.
- PHP, MySQL, AngularJS, and HTML.

Software Engineer | Mosaic Sales Solutions May—Aug, 2012

- Developed configurable ‘RSVP’ & ‘Sweepstake’ Facebook application templates for company to easily reuse for different marketing campaigns.
- Ruby + Rails, jQuery, and PostgreSQL.

Sept—Dec, 2011

- Built + maintained Facebook and Twitter campaign apps for Nutella and Stella Artois based on client specs.
- Developed internal web application geared to prepping future co-op students.
- Ruby + Rails, PostgreSQL, Git.

VOLUNTEER EXPERIENCE

Mentor | Ladies Learning Code Jan 2016—Now

- Actively helped attendees understand + implement web development concepts and data science principles.

SKILLS

Java 3D Modelling + Printing Arduino + Rapid Prototyping User-Centred Design HTML, CSS

SELECTED PROJECTS

Rise N’Shine Travel friendly sunrise simulating alarm using flexible LED strips, piezo-electric sensors and an Arduino.

Tagged Portable laser tag system: a capacitively triggered laser-firing glove, fibre-optic lined vest, and an Arduino-driven hub, which manages gameplay settings, score keeps and displays stats in real-time on a web page.

Waterloo Works Usability assessment of client WaterlooWorks using user-centred design methods (usability testing, heuristic evaluation, use of personas, survey design and data collection) in order to suggest improvements to product.