
Front End Development	JavaScript & libraries, HTML5, CSS3 & pre-processors, MVC frameworks, Git
Programming	C++, with exposure to Python, PHP, Node.js, Java, MySQL, SQL
Product Management	Agile, Scrum, Requirements, Specifications, Continuous Delivery
UI/UX Design	User Research, Photoshop, Prototyping

EXPERIENCE

Undergraduate Research Assistant University of Waterloo

Jan. 2015 - Present

- Developed visualization and simulation UI for Nengo neural simulator using D3.js to use data from Python backend
- Provided feedback on feasible options of designing the web architecture of the simulator and visualizer

Front End UI Developer Genesys

Aug. 2014 – Dec. 2014

- Developed modern UI for Genesys' core enterprise administrative application in backbone.js, require.js, and jQuery
- Drove efforts to implement and automate unit tests into existing web app to encourage behavior-driven development

Lead Front End Developer Nspire Innovation Network

Aug. 2014 – Present

- Provided design feedback for website redesign and implemented new designs
- Designed and developed webpage for showcasing Discovery Series events using Jekyll and jQuery

Email Production Coordinator Indigo Books and Music Inc.

Jan. 2014 – Apr. 2014

- Produced marketing emails deployed to over a million users at a time
- Executed A/B tests that solidified design decisions to increase click-through rate on links by up to 8%

HACKATHONS

Closet Refresh (ongoing)

24 Hour Startup – Communitech Hub, Kitchener

- Designed and implemented front end of web platform for buying, selling, and trading clothing with local users

Patient CareNect

YHack '14 - Yale University

- Architected and developed application around Microsoft Kinect to allow healthcare patients to contact caretakers or family using custom hand gestures and/or voice commands
- Technology used includes Microsoft Kinect, Azure web service and database, Backbone.js, Twilio

The Pebble Runner (published on Pebble App store)

Hack the North '14 - University of Waterloo

- Designed and developed Pebble watchface using background activity tracker API with custom pedometer algorithm to keep track of user steps and store in Pebble's persistent storage

EDUCATION

Candidate for BAsC in Systems Design Engineering University of Waterloo

Sept. 2013 – Apr. 2018

- 3.7 GPA, President's Scholarship of Distinction
- **Relevant courses:** Digital Computation, Data Structures and Algorithms, Human Factors Design Engineering

INTERESTS

Wearable tech, sustainable design, electric cars, soccer, tech blogs, photography