
Product-oriented and test-driven Systems Design Engineer looking to make a difference in the tech and wider community.

Software Engineering Object-oriented JavaScript, C++, with exposure to Python
Technologies/Databases AngularJS, BackboneJS, NodeJS, MongoDB, Cassandra, Jasmine unit-testing

EXPERIENCE

Software Engineering Intern
Reflektion, Inc.

May 2015 – Present San Mateo, CA

- Developed customer-facing eCommerce personalization software end-to-end from AngularJS front-end, to NodeJS API design and implementation, Cassandra and MongoDB schema design, and error-handling in NodeJS
- Prime implementer for Jasmine unit-testing across the stack to ensure quality, accountability, and maintainability

Undergraduate Research Assistant
University of Waterloo

Jan. 2015 – April 2015 Waterloo, ON

- Awarded \$1500 scholarship to take part in research under Dr. Chris Eliasmith for the Nengo neural simulator
- Developed visualization and simulation UI for neural networks using D3.js, and various front-end technologies

UI Development Intern
Genesys

Aug. 2014 – Dec. 2014 Toronto, ON

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

Lead Developer
Nspire Innovation Network (non-profit)

Aug. 2014 – May 2015 Toronto, ON

- Designed and developed NBTC 2015 website using AngularJS (<http://nbtcs.nspire.org>)

Email Development/Production Intern
Indigo Books and Music, Inc.

Jan. 2014 – Apr. 2014 Toronto, ON

- 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%

PROJECTS

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

The Pebble Runner (published on Pebble App store)

Hack the North '14 - University of Waterloo

- Designed and developed Pebble watchface with custom pedometer algorithm that tracks data in device's memory

EDUCATION

Candidate for BAsC in Systems Design Engineering
University of Waterloo

Sept. 2013 – Apr. 2018

- President's Scholarship of Distinction, President's Research & International Experience Award
- **Relevant courses:** Digital Computation, Data Structures and Algorithms, Human Factors Design Engineering

INTERESTS

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