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Product-oriented and test-driven Systems Design Engineer looking to solve challenging problems.

**Programming** JavaScript, C++, with exposure to Python  
**Specialties** AngularJS, BackboneJS, Node.js, MongoDB, Cassandra

## EXPERIENCE

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**Software Engineering Intern**  
**Reflektion, Inc.**

*May 2015 – Sept. 2015* San Mateo, CA

- Developed customer-facing dashboard full-stack using AngularJS, Node.js, Cassandra, and MongoDB
- Prime implementer for Jasmine unit-testing across the stack to ensure quality and accountability amongst developers

**Undergraduate Research Assistant**  
**University of Waterloo**

*Jan. 2015 – Apr. 2015* Waterloo, ON

- Awarded \$1500 scholarship for part-time 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://nbt.c.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

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**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 user steps in device's memory

## EDUCATION

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**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

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