

## Summary

- Programming - JavaScript, Python, Ruby, Java, C#, C++, HTML, CSS, SQL, Pig
- Design - UX, System Integration, Product Design, Solution Architect
- Data - Pipelines, Analysis, ML Enthusiast, RDBMS, NoSQL, Hadoop
- Tools - Agile, TDD, Version Control (git, hg), any OS
- Platforms - Android, Web, .NET, Gems, Arduino, etc.
- Tech - Node, Flask, Gems, Backbone, Luigi, Bootstrap, D3, MongoDB, etc.
- Insatiable desire to learn and succeed
- Passionate in applying skills to create meaningful applications

## Education

- **System Design Engineering (2016)**  
University of Waterloo  
Consistently at top 5% of class

## Awards

- 1st Place (Communitech's Database Challenge 2014)
- Best Use of MongoDB (Entry at MHacks 2013)
- Dean's Honours List (awarded **every** academic term)

## Interests

- **Music:** plays guitar, piano, drums and spoons (utensil)
- **Food:** be a chef is plan B

## Professional Experiences

### Big Data Engineer, Mortar Data

New York, NY (Jan - April 2014)

- Developed an ETL pipeline application with a focus on AWS and Hadoop
- Created graph based recommendation engines in Apache Pig
- Conceptualized, initiated and released a web solution for data visualization
- Full stack development on the award winning platform with Ruby and Python

### Product Developer, Nicoya Lifesciences

Waterloo, ON (May - Aug 2013)

- Primary software developer at company; headed projects in design and development
- Architected and developed a sleep sensor product; built hardware components, signal processing algorithms, Node server and user-facing web app for first prototype
- Developed major features of an Android application to use with a blood sensor product

### Research Assistant, University of Waterloo

Waterloo, ON (Jan - Sept 2013)

- Researched and built an animation rendering library in Java for large touch displays

### Mobile Developer Intern, Genesys Lab

Markham, ON (Sept - Dec 2013)

- TDD of a call center administration platform with technologies like Backbone and D3

### Junior Software Programmer, Cole Engineering Ltd.

Markham, ON (Jan - April 2012)

- Lead developer of a prototype for a sewage surveying system; designed Android solution with Google Maps Integration, MySQL storage and PHP server
- Created an internal project management tool on .NET

## Relevant Projects

### RobFordTheGame.com, Hacker

- Co-created the [viral sensation](#) in JavaScript at HackNY
- Reached over 150,000 game plays and gained international media coverage

### MediData, Hacker

- Tool to provide reporting services for impoverished communities through SMS
- Made at [MHacks](#); awarded Best Use of MongoDB

### OBZ Design, Technical Consultant Volunteer

- Researching and designing a reporting service for health workers in Nicaragua

### Communitech DATA.BASE Challenge, Entrepreneur

- Designed a product to promote healthy eating habits and cooking skills
- Was [awarded first place](#) in all of Ontario

### Yummy Recs, Personal Project

- Designed and implemented an analytical experiment, web crawlers and recommender systems built on Mortar with Pig, to validate recipe recommendations

### ManuScripter.aws.af.cm, Personal Project

- Created a Bible study web tool built on Node and Backbone