

Summary

- **Languages:** JavaScript, Ruby, SQL, Python, C++
- **Frameworks:** Node, Express, Rails, Flask, Tornado, Kerberos
- **Tools/Services:** Docker, Jenkins, Nomad, OpenStack, Mocha, Knex.js
- **Interests:** Board games, photography, rock climbing, urbanism

Experience

Bloomberg | Software Developer | New York, NY May – Aug 2017

Python, C++, Tornado, Kerberos, Docker, Nomad

- Pipeline to build Docker containers from Debian packages when a new version is published
- Built Tornado API to provide container metadata, launch containers on the cloud
- Integrated **Kerberos** into the API for authentication, allowing for user resource quotas
- Used **Nomad** to schedule containers onto a cluster of machines, some user-provided
- Wrote Python and C++ Clients for users to integrate with the containers framework

Yahoo | Back-end Developer | Sunnyvale, CA Sep – Dec 2016

Node, Express, ES6, MySQL, Twilio

- Implemented DB caching using **Memcached** to improve read performance
- Created a football minigame with **Phaser.js** as an easter egg for the Yahoo Bots app
- Built phone number verification for user accounts using **Twilio SMS APIs**
- Added **Twilio Programmable Chat** as a new messaging platform

500px | Full Stack Developer | Toronto, ON Jan – Apr 2016

Backbone, Marionette, Ruby on Rails

- **Optimized** the photo page to reduce API calls to the related photos endpoint by 80%
- Built several components of the new home feed and onboarding flow using **Marionette**
- Created new back-end components and APIs in **Rails** for Photos, Comments, and Quests

TextNow | Web Developer | Waterloo, ON May – Dec 2015

Angular, Backbone, Marionette, Node, Express

- Improved JS asset injection, **speeding up load times** by 25% and reducing file sizes by 40%
- Built a **new landing page** and added a **new payment process** for checkout

Projects

TerribleHack Sep 2015 - Present

- **Organizer** of a comedy-centric hackathon focused on making unconventional, but funny hacks
- Next term will be its 6th iteration

Beam Nov 2016

- A Chrome extension to send and open links in your friends' browsers
- Built functionality to send links in real-time using **WebSockets** and **Node/Express**

lita-resistance Jan 2016

- Built a **chatbot** that selects roles from Resistance and assigns them to chat participants
- Wrote code in a modular fashion for expandability using **Ruby**

Education

University of Waterloo Sep 2014 - Present

- Candidate for Bachelor of Computer Science (83% Average)