PAUL RONDEAU

4B COMPUTER ENGINEERING

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» EDUCATION

University of Waterloo
Bachelor of Applied Science Computer Engineering 2016

» INTERESTS & ACTIVITIES

HOBBIES: Recreational Sports, Reading, Travel, Movies, Outdoors, Meditation & Hot Yoga, Cooking, Live Concerts, Music Discovery
BOOKS: Demian, Cat's Cradle, Lolita, Zero to One, The Master and Margerita, Steppenwolf
TECH: Startup world (Velocity, Communitech, YCombinator), HackerNews, ECMAScript Spec

» VOLUNTEER

English Teacher
Led weekly advanced English courses for a group of Czech and international students

» CO-OP EVALUATION

Nest: Outstanding
"In this internship Paul has completed his 3 projects with high quality. He has demonstrated strong capability to take a requirement through the complete cycle of design, implementation, deployment..."

» SKILLS

PROGRAMMING LANGUAGES & TOOLS: JavaScript (ES5/ES6/JSX), Python, nodeJS, Redis, HTML5/CSS3, mySQL/sqlite, mongoDB, Java, git, Hadoop, Spark

LIBRARIES & FRAMEWORKS: React, Polymer/Web Components (*contributor*), Django, Flask, Flux, Google OR-Tools, NGINX, Apache, D3.js, Backbone, SASS

MISC: Product-Driven, Full-Stack, Unit & Functional Testing, Deployments, Build Systems, Analytics, Responsive Design, External APIs, Distributed Systems, Automated & Integration Testing

» EMPLOYMENT

Milq (http://milq.com) — Toronto, ON
Full-Stack Developer — Sept 2015 to Dec 2015

- Created cross-platform player, using Youtube, Soundcloud, Vimeo, Vine, Instagram and Bandcamp APIs using nodeJS, redis, and mongoDB
- Built a React app that was similar to HackerNews/Reddit styled content lists using all of the content on Milq

Nest Labs (http://nest.com) — Mountain View, CA
Field Data Analyst Intern — Jan 2015 to May 2015

- Implemented internal tools dealing with large scale data manipulation and processing built on nodeJS
  - Graphical web interface to check sensor data using D3.js
  - Web interface to analyze raw sensor logs
- Consolidated various testing suites into one dashboard using Python

OANDA (http://app.oanda.com) — Toronto, ON
HTML5 Developer — Jan 2014 to May 2014

- Implemented new trading capabilities into the live Forex trading platform using modern JavaScript frameworks
- Extensive experience with unit and functional testing in TDD environment using Mocha, Chai, Sinon.JS, Cucumber and Selenium WebDriver

PumpUp (http://pumpup.co) — Kitchener, ON
Software Developer — May 2013 to Sept 2013

- Built the foundation for a social network within PumpUp; designed/built news feed, liking/commenting features, workout rating algorithm using Coffeescript, Parse, Trigger (Native Wrapper), and SASS
- Created a photo sharing feature using svg and canvas technologies, Facebook APIs, and native camera software

"...documentation, user support/feedback, and maintenance, with minimal guidance. Paul is familiar with common tools and work flow of software development which allows him to be productive quickly with little additional training. As his supervisor I am very satisfied with his performance, and as a team we highly appreciate Paul's contribution. To put things in perspective Paul has done better than majority of new grads I've seen."

PumpUp: Outstanding
"Paul was an awesome co-op developer. He got along perfectly with the team, was always a pleasure to be around, and worked long and hard day in, day out. His understanding of technical concepts was great, especially for someone with limited experience, and he was able to quickly pick up the necessary skills. He is a very creative thinker with a huge amount of potential."

» PROJECTS

Godel (http://demo.godel.io)
- Engineering 4th Year Design Project - Optimization as a Service
- Created a developer friendly API for companies to use to solve recurring optimization problems (Ex. Delivery Routing or Scheduling)
- Built on Flask and used Google's OR-Tools to solve problems
- Demo was built using Polymer to showcase how a developer could use our API to build a product without knowing how to optimize routing problems themselves

Liftcamp (http://lift.camp)
- Co-created a platform for neighbours in urban environments to connect in a new and meaningful way
- Partnered with local management companies to faciliate the distribution and marketing of the product to their tenants

AB Golf Memorial E-Commerce Website (https://golfwithandy.com)
- Designed, developed and managed ticketing site for a golf tournament
- Used Stripe, Parse and various other frameworks to manage payments

Leap Motion Tracking Software (http://github.com)
- Worked with a PhD Candidate at the University of Waterloo developing an application that uses a Leap Motion Controller for data collection of a repetitve strain injury test

Misc Algorithms (http://github.com)
- Created a MaxSAT Solver in Python using a Simulated Annealing algorithm
- Solved the Knapsack Problem in Python using greedy heuristics, branch and bound, dynamic programming and FPTAS algorithms