

# PAUL RONDEAU

## 4A COMPUTER ENGINEERING

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### » 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, 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."

### » SKILLS

**PROGRAMMING LANGUAGES & TOOLS:** Javascript, Python, Node, HTML5, CSS3, Java, C#, Coffeescript, MATLAB, git, SQL

**LIBRARIES AND FRAMEWORKS:** jQuery, nginx, apache, AJAX, Backbone, npm, RequireJS, Parse, Django, SASS, Underscore, Mocha, Chai, Grunt, Gulp, D3.js

**MISC:** MVCs, Full-Stack, Unit & Functional Testing, Automated Testing, Responsive Mobile/Web, Social (FB, Twitter, etc) APIs, Distributed Systems

### » EMPLOYMENT

#### Nest Labs (nest.com)

Mountain View, CA

##### Field Data Analyst Intern

Jan 2015 to May 2015

- Consolidated manual and automated testing suites into one dashboard using Python with Bamboo and TestRail APIs.
- Independently implemented full-stack sensor graphing tool as a web interface. Designed and developed all front-end and back-end components using Node and D3.js for graphing.
- Solely built custom log viewing tool as a web interface. Designed and implemented all front-end and back-end components using Node.

#### OANDA (app.oanda.com)

Toronto, ON

##### HTML5 Developer

Jan 2014 to May 2014

- Implemented new trade capabilities into the live Forex trading platform using Grunt, Custom APIs, Coffeescript, Backbone, RequireJS, SASS and Handlebars
- Extensive experience with unit and functional testing with TDD Frameworks: Mocha, Chai, Sinon.JS, Cucumber and Selenium WebDriver

#### PumpUp (pumpup.co)

Kitchener, ON

##### Software Developer

May 2013 to Sept 2013

- Contributed to building the foundation for a social network within PumpUp; designed/built news feed, liking/commenting features, workout rating algorithm, and infinite scroller using Coffeescript, Parse, Trigger (Native Wrapper), and SASS
- Created a custom interface to share workout progress with Facebook using svg and canvas technologies, Facebook APIs, and native camera software
- One of the first employees — heavily involved in planning for the company; Worked in the startup space: Hyperdrive Accelerator & Velocity Garage

#### Radialpoint

Montreal, QC

##### Systems Integration Analyst

Sep 2012 to Dec 2012

- Developed a tool to manage remote servers, modernizing the system using new technologies such as Python and Django
- Solved issues with a Java tool used to remotely connect to home PCs and offer service upgrades for customers' clients

## » EDUCATION

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University of Waterloo  
Bachelor of Applied Science  
Computer Engineering 2016

## » VOLUNTEER

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### English Teacher

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

## » INTERESTS & ACTIVITIES

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**MUSIC:** Indie Rock Enthusiast, Dream Pop Dreamer, Hip Hop Connoisseur

**ATHLETICS:** Avid gym goer, Basketball, Soccer, Volleyball, Tennis, Ultimate, Ping Pong, Super Smash Bros.

**TECH:** Startup world (Velocity, Communitech, YCombinator), HackerNews, ECMAScript Spec

**TRAVEL:** Studied on exchange in Prague, Czech Republic and visited over 13 countries; also studied in Madrid, Spain

**HOBBIES:** Recreational Sports, Reading Classics, Travel, Movies, Meditation & Hot Yoga, Cooking, Live Concerts, Music Discovery

**FUN FACT:** I participated in a chicken wing eating contest and managed to eat 60 wings before being unable to continue (Leading my team to victory)

## » PROJECTS

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### AB Golf Memorial E-Commerce Website ([golfwithandy.com](http://golfwithandy.com))

- Designed, developed and managed ticketing site for a golf tournament
- Used Stripe, Parse and various other front-end frameworks to manage payments and deliver a streamlined checkout experience

### Leap Motion Tracking Software ([github.com](https://github.com))

- Worked closely with a PhD Candidate at the University of Waterloo developing an application that uses a Leap Motion Controller to track a user's hand position, velocity and other associated metrics
- The data was collected through a web application and exported as a .csv which could then be analyzed to see if there was a correlation between employee injuries and strenuous or repetitive tasks in a workplace

### MaxSAT Solver ([github.com](https://github.com))

- Created a MaxSAT Solver in Python using a Simulated Annealing algorithm

### Knapsack Problem Solver ([github.com](https://github.com))

- Implemented various solvers to the Knapsack Problem in Python using greedy heuristics, branch and bound, dynamic programming and FPTAS algorithms

### Personal Website ([parondeau.com](http://parondeau.com))

- Designed and developed personal website to showcase front-end work and overview of skills

### Skyward Gaming Website ([onarolldicepoker.com](http://onarolldicepoker.com))

- Independently developed a website to showcase my father's casino game

### Personal Torrent Client (self-hosted)

- Configured Raspberry Pi to be accessible remotely from a web interface from which I can download torrents (legal things only of course)
- Showcase experience with configuring servers and implementing world-wide accessible content