

PAUL RONDEAU

4B COMPUTER ENGINEERING

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>> EDUCATION

University of Waterloo
Bachelor of Applied Science
Computer Engineering 2016

>> INTERESTS & ACTIVITIES

TECH: Startup World
(YCombinator, Velocity),
HackerNews

HOBBIES: Reading, Travel,
Health, Meditation & Yoga,
Cooking, Concerts, Music
Discovery, Movies

BOOKS: GEB, Demian, Cat's
Cradle, Siddhartha, Zero to One,
The Master and Margerita,
Lolita

PODCASTS: Tim Ferris, Sam
Harris, Kevin Rose, Joe Rogan

>> VOLUNTEER

English Teacher

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

>> CO-OP EVALUATIONS

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..."

>> SUMMARY

PROGRAMMING LANGUAGES & TOOLS: JavaScript (ES5/ES6/JSX), Python, Node,
Redis, HTML5/CSS3, MySQL/Sqlite, MongoDB, Java, git, Hadoop, Spark

LIBRARIES & FRAMEWORKS: React, Flux, Polymer/Web Components (contributor),
Express, Django, Flask, Docker, Google OR-Tools, D3.js, RabbitMQ, SocketIO, Sass

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

PERSONALITY: Macro-level thinker - Always questioning and striving for knowledge.
Focused, reliable and passionate - Pragmatic attitude - Experimenter

>> EMPLOYMENT

Milq (<https://milq.com>)

Toronto, ON

Full-Stack Developer

Sept 2015 to Dec 2015

- Created cross-platform player; including bindings to Youtube, Soundcloud, Vimeo, Vine, Instagram and Bandcamp APIs using Node, Redis and MongoDB
- Led user-testing group to conduct in-person interviews and product analysis
- Built a React app similar to HackerNews/Reddit with voting features using all of the content on Milq

Nest Labs (<https://nest.com>)

Palo Alto, CA

Field Data Analyst Intern

Jan 2015 to May 2015

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

OANDA (<https://app.oanda.com>)

Toronto, ON

HTML5 Developer

Jan 2014 to May 2014

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

PumpUp (<https://pumpup.com>)

Kitchener, ON

Software Developer

May 2013 to Sept 2013

- Contributed to user growth of over 5x in 4 months
- Designed newsfeed algorithms, liking/commenting features and a workout rating algorithm using Coffeescript, social APIs and Sass
- Created a photo sharing feature using SVG and canvas technologies, Facebook and Twitter APIs and native camera APIs

“...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 the 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 technical concepts were great ... 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://godel.io>)

- Engineering 4th Year Design Project - Optimization as a Service
- Created developer friendly API for companies to use to solve recurring Optimization Problems (Ex. Delivery Routing or Scheduling)
- Built on Flask, RabbitMQ and Google OR-Tools for problem solving
- Demo was built on Google’s Polymer framework to showcase how API could be used without domain knowledge of routing optimization problems

Liftcamp (<http://lift.camp>)

- Co-created a platform for neighbours in urban environments to connect in a new and meaningful way
- Built administrator controls and metric tracking tools for management companies

Leap Motion Tracking Software (<https://github.com/parondeau>)

- Worked with a PhD Candidate at the University of Waterloo developing an application that uses a Motion Tracking Sensor for data collection of a repetitive stress injury test

AB Golf Memorial E-Commerce Website (<https://golfwithandy.com>)

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

Misc Algorithms (<https://github.com/parondeau>)

- Created MaxSAT Solver in Python using Simulated Annealing algorithm
- Solved the Knapsack problem in Python using greedy heuristics, branch and bound,