

Kevin Peng

Software Engineering Student at University of Waterloo

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SUMMARY OF QUALIFICATIONS

- Full stack web developer with backend experience in Ruby on Rails and SQL databases and frontend experience in HTML, CSS and JavaScript.
- Experience in building desktop applications in Java, Python, C and C++.
- Unix user and user of git version control.
- Passionate designer, several years of Photoshop experience for digital painting and graphics design.

WORK EXPERIENCE

FULL STACK WEB DEVELOPER & TECHNICAL CO-FOUNDER | PETRO RECRUIT

Calgary AB / Waterloo ON | August 2015-Current

- Built a recruiting platform, with over 2300 job postings and 200+ active users.
- Launched the Ruby on Rails app on Heroku. Link: petrorecruit.co
- Designed frontend with Bootstrap, CSS, HTML, slim and embedded Ruby.
- Developed a web crawler and scraper that analyzed HTML with regular expressions.
- Balanced a 20 hour per week work schedule in addition to a full course load.

SOFTWARE ENGINEERING INTERN | PETROPREDICT

Waterloo ON | June 2014-August 2014

- Built a data processor (Python) that sanitized billions of data entries.
- Optimized existing sanitation process to be 20 times faster.
- Designed frontend interface and user experience for a django application.
- Created graphical visualizations of JSON data with JavaScript and d3.js.
- Designed company banner with Photoshop.
- Published an article on the University of Waterloo's Velocity website about my work term: <http://velocity.uwaterloo.ca/2014/08/student-experiences-startup-life/>

PROJECTS

RUBY ON RAILS WEB APPLICATION | UW OVERFLOW

- Ruby on Rails application that implements a voting-based system for crowd-sourced answers and collaboration on practice exams and homework.

JAVA DESKTOP APPLICATION | RUBIK'S CUBE SOLVER

- A Rubik's cube application that can display and solve any scramble.
- Average solve time is 98 quarter-turns, in less than a second.

PYTHON DESKTOP APPLICATION | DOTA 2 DRAFTER AND STATISTICAL ANALYZER

- Scrapes and processes data from the Dota 2 API, and aggregates data from millions of matches.
- Sorts heroes based on statistical success against the opposing team.

EDUCATION

Candidate for Bachelor of Software Engineering at University of Waterloo, 2020

AWARDS & DISTINCTIONS

Canada-wide Science Fair Silver Medalist and Best in Category of Information (\$3200)

3x Gold Medalist for Waterloo-Wellington Science and Engineering Fair (\$300)

Eastern Canada Student Energy Conference Innovation Award (\$500)