PATRICK WONG

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EDUCATION

Bachelors of Mathematics, University of Waterloo

October 2016

Computer Science and Computational Mathematics Major, Combinatorics and Optimization Minor

SUMMARY OF QUALIFICATIONS

Technical Skills

Languages (Proficient) MATLAB, Python, C#, SQL, (Experienced) C++/C, Java, Ruby

Frameworks/Tools Rails, Git, Linux, PostgreSQL

Relevant Personal Projects

Rails Tutorial App February 2017 – Present

- Mini-microblog service with authenticated user signup and login
- Written in Ruby on Rails, with PostgreSQL database, and deployed on Heroku

MLB Batted Ball Stat Visualizations

December 2016 – Present

- Visualization of MLB hitters' 2016 stats with interactive scatterplots and histograms
- Designed a Python module to produce graphs from data in various file formats

notedump November 2016 – December 2016

- Windows desktop application displaying several text files through tabbed interface, written in C#/Visual Studio
- Centralizes the location of commonly-used text files in one application

<u>CS 350 OS/161</u> May 2014 – August 2014

- Implemented synchronization primitives, system calls, and a virtual memory system for the OS/161 kernel

Relevant Coursework

CS 476 – Numeric Computation for Financial Modeling
CS 475 – Computational Linear Algebra
CS 473 – Medical Image Processing
CS 476 – Algorithm Design and Analysis

WORK EXPERIENCE

Technology Intern, Loring Ward, San Jose, California

May 2013 - August 2013

- Fixed and maintained computer hardware, communicating with vendors to resolve complex problems
- Solved user issues with Windows 7, Outlook, and internet browsers

Assistant, Gold Gold Travel, Mississauga, Ontario

May 2012 - August 2012

- Planned vacation details and swiftly completed flight bookings for clients
- Communicated with tour agencies to send client travel information and confirm bookings