US Citizen

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EDUCATION

Bachelors of Mathematics, University of Waterloo

October 2016

Majors: Computer Science and Computational Mathematics, Minor: Combinatorics and Optimization

SUMMARY OF QUALIFICATIONS

Technical Skills

Languages Python, SQL, Java, C#, MATLAB, C#, C++/C, Ruby

Tools Ruby on Rails, Git, Linux, PostgreSQL, Hue

Work Experience

Mandrel Script Team Intern, Connected Solution Experts, Richmond Hill, Ontario

December 2017 - Present

- Analysed and tested client's Hadoop-to-DB2 ETL pipeline with SQL
- Automated creation of hundreds of regression test cases for testing framework using Bash and Python scripts
- Improved in-house testing dashboard's UI by adding features in Java, HTML, and CSS

Technology Intern, Loring Ward, San Jose, California

May 2013 – August 2013

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

Personal Projects and Relevant Experience

Global AI Hackathon June 2017

- Prototyped app to use Microsoft Emotion API, overlaying emoji onto human faces based on detected emotion
- Created module to capture frames from static video files as input to webapp in Python

MLB Batted Ball Stat Visualizations

December 2016 - April 2017

- Engineered Python module to produce interactive histograms and scatterplots in HTML
- Performed statistical analysis using the numpy, scipy, and pandas libraries

notedump November 2016 – December 2016

- Organizes common-use text files into a single Windows application, written in C#

Relevant Coursework

Numeric Computation for Financial Modeling

- Implemented binomial lattice, Monte Carlo, and finite difference methods for option pricing

Computational Linear Algebra

- Applied computational methods to solve eigenproblems, least square problems, and matrix factorization