

Jeffrey Pan

COMPUTER ENGINEERING

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ABOUT ME

PROGRAMMING / ANALYTICS

PYTHON · C++ · JAVA · BASH · MATLAB · SQL

WEB DEVELOPMENT

RUBY ON RAILS · PHP · HTML/CSS/JAVASCRIPT

EXPERIENCE

SOFTWARE ENGINEER IN TEST · INTERSET · SEPT 2018 - DEC 2018

- Developed scripts to test and harden components from the Hadoop stack (HDFS, HBase, Kafka)
- Automated over 30% of manual regression testing using Java and Selenium
- Helped build the Automated Install Framework, specifically working on PostgreSQL migration

SOFTWARE ENGINEERING INTERN · HELPWEAR · JAN 2018 - MAY 2018

- Y Combinator alumnus, VC-backed startup developing 24/7 at home heart monitor
- Developed a peak detection algorithm in MATLAB able to classify ECG features with 90% accuracy
- Prototyped a filtering program that optimizes data analysis effectiveness by 15%

JUNIOR FULL STACK DEVELOPER · PIXELBOT · MAR 2018 - JULY 2018

- Implemented complex application design using the MVC framework implemented with Ruby on Rails
- Designed and built a login page and functionality for a Benjamin Moore retailer site (PHP and MySQL)
- Delivered thorough QA testing reports and documented software defects

PROJECTS

SENTWIMENT · PERSONAL

- Developed a web application that uses VADER sentiment analysis and TextBlob on a twitter user
- Collects and analyzes the last 200 tweets, assigning emotional polarity scores to each tweet
- Utilized Flask and Bootstrap to deliver an informative yet aesthetic visualization analytics results

TIMEIFY · PERSONAL

- Created a web application that allows users to create a Spotify playlists based on a time length to more easily and enjoyably track time through their own music.
- Rapidly prototyped and developed using Python and Heroku
- Implemented feedback efficiently and effectively to improve user experience

EDUCATION

UNIVERSITY OF WATERLOO · CLASS OF 2022

- Candidate for Bachelor's of Applied Science (BASc) in Computer Engineering
- Dean's Honor List (Top 10% in class)
- President's Scholarship of Distinction (95%+)

FATHER MICHAEL MCGIVNEY CA · CLASS OF 2017

- Academic Achievement Award (highest average in class)
- Student Athlete Award (Demonstrating excellence in academics and athletics)
- Academic Proficiency awards in Calculus and Vectors, Data Management, Chemistry and Physics