

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

- Built an Automated Install Framework for the product, saving over 1000 man-hours in manual installations
- Automated over 30% of manual regression testing using Java and Selenium
- Remodeled existing product to include support for Cloudera (previously only supported Hortonworks)

SOFTWARE ENGINEERING INTERN · HELPWEAR

- Y Combinator alumnus, VC-backed startup developing 24/7 at home heart monitor
- Developed an ECG classification algorithm able to detect ECG features with 90% accuracy
- Designed a filtering program that reduces noise and optimizes data analysis effectiveness by 15%

JUNIOR FULL STACK DEVELOPER · PIXELBOT

- Implemented complex application design using agile principles
- Introduced ideas and built login page and functionality for a Benjamin Moore retailer site
- 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
- Performs and visualizes emotional polarity analysis on trending and recent tweets from celebrities
- Used natural language processing and various APIs along with the Flask framework

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

- 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 CATHOLIC ACADEMY

- 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