

John Harvey Roof

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Employment:

Software Engineer, Infosys Limited – San Francisco Bay Area, California July 2017 – Present

- Working in the Cloud Infrastructure Services division creating custom features for Infosys' Cloud Products
- Currently onsite at a large public e-Commerce retailer implementing machine learning data visualizations for IT Operations using Java, Spring, jQuery, PostgreSQL, JSON, AJAX, plotly.js
- Underwent 8 week intensive training on Web Application Development using J2EE, Hibernate, AngularJS, SPA, Bootstrap, AJAX, RESTful API, and SQL

Student Software Developer, Santa Clara University – Santa Clara, California December 2016 – July 2017

- Build web application aimed at developing middle school students' interest in computing
- Presented project to Santa Clara University College of Arts & Sciences' Board of Directors
- HTML, CSS, JavaScript, PHP, MySQL, XAMPP, phpMyAdmin

Technology Development Intern, Sales Quarterbacks, LLC — Palo Alto, California May 2016 – December 2016

- Write Python scripts to automate internal processes
- Maintain and update company website using Wordpress, Wordpress Plugins, HTML, CSS, and JavaScript
- Create e-Learning applications using Adobe Captivate and PhoneGap

IT Support, Marcom Interactive, Apple Inc. — Sunnyvale, California August 2016 – September 2016

- Supported 300+ employees from 25+ countries during four week Apple Workshop

Projects:

Quotelee January 2018

- Twilio bot designed to enlighten and inspire users with quotes from various historical figures
- Uses nltk and a scratch implementation of KNN to retrieve results based on user search query
- Uses APScheduler to send a random quote out to all subscribed users at 9am PST
- Simply text (914) – 752 – 4388 a topic such as 'consciousness' or person such as 'Buddha' to get started
- Twilio, Python, Flask, MongoDB, nltk, APScheduler, Heroku
- <https://github.com/jroof88/Quotelee/>

Machine Learning Blog Post Feedback June 2017

- Used ML algorithms to predict amount of comments a blog would receive over next 24 hours
- Achieved an R-Squared accuracy score of 83% with KNN Regression
- Python, Pandas, sci-kit learn
- <https://github.com/jroof88/Blog-Post-ML>

Mock Netflix Recommendation System May 2017

- Created a recommendation system for a Netflix data set using Collaborative and User-Based Filtering
- Implemented recommendation algorithms such as Cosine Similarity and Pearson Correlation in Python
- <https://github.com/jroof88/Netflix-Recomm-System>

Education:

Santa Clara University — Santa Clara, California Graduation: June 2017

- **Bachelor of Science:** Computer Science (Mathematics), Software Emphasis
- Relevant Coursework: Data Structures, Algorithms, Database Systems, OO Design & Implementation, Web Information Management, Data Science

Technical Skills:

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- *Languages:* Java, Python, JavaScript, C/C++
 - *Frameworks & Libraries:* Bootstrap, AngularJS, Hibernate, jQuery, Pandas, sci-kit learn, plotly.js
 - *Tools & Technologies:* Git, Heroku, Eclipse, Maven, JSON, AJAX