

# Frances Liu

Software Engineer

San Francisco Bay Area, CA | Boston, MA

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## Projects

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### Ratings

San Francisco, CA

<https://github.com/thepomeranian/ratings>

Aug 2016

Tech Stack: Python, Flask, Javascript, HTML, CSS, Bootstrap, PostgreSQL, SQLAlchemy, Pair Programming

- A full stack machine learning web application, using Pearson Correlation, that allows users to rate movies, and predicts how they will rate movies. This prediction is based on analysis of other similar user's ratings of that movie. The Eye, a system user with terrible taste in movies, will berate users for their movie ratings if their rating does not match the predicted user's rating.

### LetsWatchTV

San Francisco, CA

Demo: [lwt.frances-liu.com](http://lwt.frances-liu.com) GitHub: <https://github.com/thepomeranian/letswatchtv>

Aug 2016 - Sept 2016

Tech Stack: Python, Flask, Javascript, HTML, CSS, Bootstrap, PostgreSQL, SQLAlchemy

- Designed and implemented a full-stack web application that features a wiki for tv shows that allows users to curate lists of their favorite tv shows, and what they're currently watching and view the live twitter feed from the tvshow's official twitter handle.

### Personal Portfolio

San Jose, CA

Demo: [www.frances-liu.com](http://www.frances-liu.com) GitHub: <https://github.com/thepomeranian/personal-website>

Time: 8hrs 20min

Tech Stack: Python, Flask, Javascript, HTML, CSS, Bootstrap, SQLite

- Designed and implemented my own portfolio and blog as a full stack web application in under 10 hours from start to finish.

## Experience

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### Broadcom Ltd

San Jose, CA

Program Manager Intern

May 2015 - May 2016

- Fulfilled role as a QA engineer to perform sanity checks using Windows Software Development Kit (SDK) during a critical testing period
- Decrypted and wrote technical documentation for decrypting security chips in Confluence, scheduled test dates and certification for prototype systems and ensured all requirements for the test were met, financial processes have cleared, and shipments are compliant to international shipping standards
- Generated, scheduled and prioritized JIRA tickets for lab technician and generated weekly priority lists to ensure that all deadlines are met and any issues or delays are handled promptly

### San Jose State Univeristy

San Jose, CA

IT Student Assistant

Sept 2013 - June 2016

- Consolidated assets from 9 departments and programs and centralized inventory control for IT department
- Transitioned over 100 staff members from static IP to DHCP and diagnosed and solved network issues in labs
- Imaged and upgraded over 150 desktops and laptops for students, faculty, staff, administration, and clubs

## Education

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### San Jose State University

San Jose, CA

B.S. in Business Analytics

May 2016

Curriculum: Statistics, Data Mining, Data Visualization, Intro to Java , Data Structures in Java

### Hackbright Academy

San Francisco, CA

Software Engineering Fellowship

Sept 2016

Curriculum: Python, Javascript, Flask, AJAX, JSON, SQL, PostgreSQL, Git, Data Structures, OOP, OOD

## Skills

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**Languages** Python, JavaScript (AJAX, JSON), SQL, PostgreSQL, SQLite, Markdown

**Web** HTML, CSS, Bootstrap, jQuery, Flask

**Tools** JIRA, Confluence, Google Charts, Git, GitHub, Bash, MSOffice Suite(Sharepoint), RESTful API, Agile