

Jed Hsu

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SUMMARY

MS Engineering & MBA graduate pursuing a Software Engineer position. Extensive experience in managing projects and teams, programming lasers and metrology tools, developing products, defining specifications, performing QA and reliability tests, and interfacing with international contract manufacturers.

SOFTWARE PROJECTS

Website: challenge50.herokuapp.com

Github: github.com/jedh1/challenge50

- Marriott Search - A web scraper that sends daily email results for users to track Marriott hotel prices
 - A separate thread sends the user's form input to Marriott.com
 - Selenium framework scrapes search results, and the data is emailed.
 - APScheduler Python package with Django schedules recurring jobs.
 - A Postgres database stores search results, and they can be retrieved and deleted.
- Stock Back Testing - App that calculates and plots stock trades using the moving average crossover strategy
 - The user can input a stock ticker and strategy parameters.
 - Yfinance Python package obtains data from Yahoo Finance, and the Pandas package reads the data.
 - The Backtrader package calculates the results, and Plotly graphs the output.
- "30days30projects" - A challenge to complete 30 projects in 30 days (5/13/20 - 6/11/20). Highlights:
 - Floppy Bird Game: A simple version of the popular flappy bird mobile game using mainly JavaScript.
 - Meal Finder: A JavaScript and CSS project that finds recipes based on user's input.
 - Breakout Game: One round of the classic Breakout game using JavaScript and HTML5 Canvas.
 - Flash Cards: A CSS project that creates flash cards animations, and local storage keeps the cards.
 - XY Plotter: A Python project that uses the Pandas and Plotly packages. The user can import a csv file, and the app outputs an XY plot with the Z values color-coded.

EXPERIENCE

Translarity, Inc.

Development Engineering Manager

Fremont, CA

December 2015 – Present

Banyan Energy, Inc.

R&D Project Manager

Fremont, CA

October 2011 – December 2015

SunPower Corporation

R&D Reliability Engineer

Richmond, CA

June 2010 – October 2011

SKILLS, INTERESTS, AWARDS

- Languages and Frameworks: Python, JavaScript, HTML, CSS, Django, Flask
- Six Sigma Green Belt certified
- Passionate about teaching - Private tutor from January 2009 through February 2020
- "Best Data Presentation" awarded at SWTest Asia 2019 - the largest conference in the probe card industry

EDUCATION

San Jose State University

University of California, Berkeley

MBA, 2016 and M.S. Engineering (Systems Engineering), 2016

B.S. Chemical Engineering, 2011