

WEI CHENG, HUNG

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Portfolio: <https://s777610.github.io/weicheng-portfolio>

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Github: <https://github.com/s777610>

Technical Skill

- Proficient: JavaScript(2+ years), Node(2+ years), React(2+ years), Python(2+ years)
- Familiar: HTML, CSS, SASS, MongoDB, SQL, Git, Redis, Jest, AWS, Docker, Travis CI

Education

California Lutheran University, Thousand Oaks, CA

May. 2017 - May. 2019

- **Master of Science in Information Technology (GPA: 3.8)**

Chung Yuan Christian University, Taoyuan, Taiwan

Jun. 2010 - Sep. 2014

- **Bachelor of Mechanical Engineering**

Work Experience

Software Engineer Intern - Tap Series, Thousand Oaks

Aug. 2018 — Nov. 2018

- Scraped and visualized financial data. Generated reports to make investing decisions by Python/Selenium. Tested and maintained MySQL of online course platform. Integrated test of the mobile app with React.

Full Stack Developer - Locomotives, Changhua, Taiwan

Nov. 2016 — May. 2017

- Increased rental rate by building email service for sending promotion code by Python/Flask. Increased rental rate on a weekday by 15% by analyzing customer data through Python/Plotly. Build front-end with JavaScript/React, CSS3, HTML5.

Main Project Experience

Stock Market Personal Blog ([Full-Stack Development](#))

Built back-end by Flask and deployed it on AWS. Use CSS3 and SASS to style front-end. Retrieves data from "IEX" API and scrapes data from financial sites. Analyzes data and makes interactive charts on the site by Pandas and Plotly. Allows users to search securities in the US market. All data are stored in SQLite. Reduced waiting time of network request by 84% by utilizing multithreading to handle multiple API calls in a short period of time. (Python/Flask, SQL, JavaScript, CSS3/HTML5, AWS, Docker, Multithreading).

Scalable Server ([Full-Stack Development](#))

Backend was built by express, Frontend was built by React. Use Redis to cache the data in order to improve the performance of this app. Data is stored on MongoDB. All images are stored on AWS/S3. Use Jest to implement the unit test. Whenever push code to GitHub, Travis CI will pull the code and build testing environment in order to run the test. (Node/Express, React/Redux, MongoDB, Redis, Unit Test, CI).

Connectly ([Full-Stack Development](#))

Backend was built by express. Store data on MongoDB and hosted on mLab. Built frontend by React and Redux. Uses redux-thunk as middleware for dispatching actions in order to make HTTP requests to express server properly. (Node/Express, React/Redux, MongoDB, OAuth 2.0, Heroku).

Activity

Hackathon by the Sea, Mentor, Camarillo

Nov. 2018

- Helped participants to solve web development problems including JavaScript, Python, Node and React.
- Assisted participants in understanding Restful API and OAuth 2.0.
- Helped participants to solve CSS3 layout problems.

Major League Hacking, SF Hacks 2018, San Francisco

Mar. 2018

- Built RESTful API with Python Flask framework
- Designed database and implemented with SQLite