

Elaine Yang

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Objective / Summary

A methodical programmer seeking a positive, dynamic work environment to leverage my technical abilities and interpersonal skills. With a strong mathematical background, I am looking for a position that will benefit from my critical thinking and problem-solving expertise.

Technical Skills

Programming: Python, Java, HTML5, CSS3, JavaScript, React, Flask, Bootstrap, MATLAB, C++, SQL.
Tools/Systems: Git, JIRA, Confluence, Heroku, Windows, Mac, Linux.

Work Experience

Russell Leong Design, Cupertino, CA Aug 2020 - Present
Frontend Engineer Intern

- Built company website and implemented front-end infrastructure from scratch by using **HTML5**, **CSS3**, **Javascript**, and **jQuery**.
- Optimized website by creating reusable UI components, increasing the initial loading speed by 40%.
- Assisted the UI designer in developing responsive and visually appealing websites.

Broadcom Limited, Hsinchu, Taiwan Jul 2017 - Oct 2018
Software QA Engineer

- Created an internal analysis dashboard for monitor live competition test case results, which helped the team won six consecutive industry competitions.
- Created **bash scripts** to automatically install **Linux** with predefined network settings on computers and servers to quickly deploy duplicate test environments which reduce the work by 60%.
- Developed and documented test scripts for **automated testing** and **regression testing** to identify the performance of Broadcom's latest wireless chip firmware and updated **JIRA** for reporting critical fixes.

CYBERNET SYSTEMS TAIWAN Co. Ltd, Hsinchu, Taiwan Mar 2015 - Jun 2017
Software Engineer

- Developed over 100 HTML webpages ranging from product instructions, technical articles, and case studies to drive B2B sales.
- Increased company website traffic by 60% through **search engine optimization**.

Education

Computer Programming Certificate Program Sep 2019 - Jun 2020
UCSC Silicon Valley Extension, Santa Clara, CA

Master of Applied Mathematics Jun 2019
National Chiao Tung University, Hsinchu, Taiwan

Bachelor of Applied Mathematics Jun 2015
National Hsinchu University of Education, Hsinchu, Taiwan

Projects

E-commerce Handmade Crafts Website

- Built and designed an E-commerce website by using **React**, **HTML**, and **SASS**.
- Implemented account management and Google sign-in and authentication through Google **Firebase**.

Microblogging <https://thatlamblife.com/>

- Built a small social microblogging platform by using **Python/Flask** framework and **SQLAlchemy** to establish the backend and using **Bootstrap** to build the frontend.
- Implemented **OAuth2** based authorization for users to log in with Google or Facebook account.

Personal Portfolio Website with Flask <https://elaine-portfolio-web.herokuapp.com/>

- Designed and developed my personal portfolio as a web application on the **Heroku** cloud platform, using **Python/Flask**, **HTML5**, and **CSS3**.