

Elaine Yang

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Objective / Summary

A methodical and dedicated programmer seeking to leverage my technical abilities, interpersonal skills, and unwavering work ethic to grow as a software engineer in a positive, dynamic work environment. 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, Firebase.
Operating Systems: Windows, Mac, Linux.

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

Work Experience

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

- Built corporate website and implemented front-end infrastructure from scratch by using HTML5, CSS3, Javascript, and jQuery.
- Assisted the UI designer in developing responsive and visually appealing websites.
- Created efficient and reusable UI components with React to increase scalability.

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 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

- 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.

Projects

Microblogging <https://thatlambllife.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.

Online Shopping Application

- Developed Java Swing GUI application with durable storage, basic account management, and e-commerce-like interactions.

Personal Portfolio Website <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.