

# Elaine Yang

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## Objective / Summary

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

## Technical Skills

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

## Work Experience

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

- Built the company website from scratch using **HTML5**, **CSS3**, **Javascript**, and **jQuery**.
- Optimized the website by creating **reusable UI components**, increasing the initial loading speed by 40%.
- Worked with the UI designer to fine-tune the website's aesthetics and **responsive** UI.

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

- Created an internal analysis dashboard to monitor live competition test case results, which was critical in helping our team win 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, effectively reducing deployment time by 60%.
- Developed test scripts for **automated testing** and **regression testing** to identify the performance of Broadcom's latest wireless chip firmware.

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

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

## Education

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**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

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**Personal Portfolio Website** <https://elaineyang7.github.io>

- Developed and designed a **responsive** personal portfolio website that showcases my work experience and all software projects, using **HTML5**, **CSS3**, and **JavaScript**.

**E-commerce Handmade Crafts Website**

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

**Microblogging**

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