Elaine Yang

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Technical Skills

Programming Languages: Python, Java, HTML5, CSS3(SASS), JavaScript, MATLAB, C++.
Frameworks, Libraries & Database: React, Bootstrap, jQuery, NumPy, Pandas, Flask, Flutter, SQL.
Tools & Systems: Git, JIRA, Confluence, Heroku, Firebase, Webpack, Babel, Windows, Mac, Linux.

Work Experience

Russell Leong Design, Cupertino, CA   *Aug 2020 - Present*
Front End Engineer
- Built the company website from scratch using **HTML5**, **CSS3**, **Javascript**, **React**, and **jQuery**.
- Optimized the website by creating **reusable UI components**, increasing the initial loading speed by 40%.
- Implemented a user-friendly website including **interactive** form, scrolling animation, displaying design works with horizontal scrolling and draggable slider to better convey the designer's ideas.
- 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*
- 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

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

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 **React**, **SASS**, **Webpack**, and **Babel**.

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.