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.
Tools/Systems: Git, JIRA, Confluence, Heroku, Firebase, 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.
- 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 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*
- 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

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.

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