Elaine Yang (Yu-Wen Yang)

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Targeting an Entry-Level Opportunity for Software Development

Objective / Summary

I am looking for a challenging software engineering position in a positive environment, to grow my technical and teamwork skills, under the guidance of experienced and capable mentors.

I have a persistent attitude, am a quick learner, and am willing to listen to others.

My mathematical background pairs a detail-oriented and methodical approach with my love for problem-solving.

Technical Skills

Programming Languages: Python, Java, C++, MATLAB, HTML/CSS, Flutter/Dart.

Operating Systems: Windows, Mac, Linux.

Project https://elaineyang7.github.io

Online Shopping Application *Spring 2020*
- Created a Java application that allows users to sign up, log in, view products, and order, using Java Swing GUI to create window-based applications and using text files to store users' information and orders.

Marathon Race Runners *Spring 2020*
- Used Java to simulate a marathon race between participants. The racers' information can be read from a text file or XML file or derby database.
- Learned how to implement multi-threading in Java to improve application functionality.

Handwritten Numbers Recognition *Winter 2019*
- Used machine learning algorithms and data analysis to recognize the MNIST dataset of handwritten numbers by using Python libraries such as scikit-learn, NumPy, and Pandas.

Wi-Fi Alliance EasyMesh Certification, Santa Clara CA *Dec 2017 - Apr 2018*
- Attended Wi-Fi Alliance certification program. Used and refined their test suite to verify and debug communication between wireless routers made by various high-tech companies, such as Broadcom, Qualcomm, Marvell, Intell, and MediaTek.
- Built and released a script package for connecting test suite to Broadcom's router to passed 105 more test cases than other companies.

Work Experience

Broadcom Limited, Hsinchu, Taiwan
Software Quality Assurance Engineer *Jul 2017 - Oct 2018*
- Used IxChariot and Iperf to test the Tri-Band maximum throughput of Broadcom's latest IEEE 802.11ac/ax wireless chip firmware and reported performance to corporate customers.
- Worked with engineers on debugging necessary fixes to meet the project launch schedule and updated Jira tickets and Confluence pages.

CYBERNET SYSTEMS TAIWAN Co. Ltd, Hsinchu, Taiwan
Marketing Assistant *Mar 2015 - Jun 2017*
- Designed and used HTML to create over 100 new webpages of product introduction, technical articles, and use cases for the company website to educate and impress customers.

Education

UCSC Extension
Computer Programming Certificate Program *Sep 2019 - Jun 2020(Expected)*

National Chiao Tung University, Hsinchu, Taiwan
Master of Applied Mathematics *Sep 2015 - Jun 2019*
2 years core courses, 1 year 4 months working at Broadcom, and 6 months to complete Master's thesis.

National Hsinchu University of Education, Hsinchu, Taiwan
Bachelor of Applied Mathematics *Sep 2011 - Jun 2015*