

## Elaine Yang (Yu-Wen Yang)

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### Targeting an Entry-Level Opportunity for Software Development

#### Objective / Summary

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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

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

Operating Systems: Windows, Mac, Linux.

#### Project

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##### 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, Intel, 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

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##### 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

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##### 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.

