Taipei, Taiwan

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Education

National Yang Ming Chiao Tung University (NYCU)

M.S. in Computer Science and Engineering

Previous school name is National Chiao Tung University (NCTU)

· Thesis: Offloading framework for parallel web applications. The first study for offloading parallel web applications to cloud, which can improve web apps performance up to 5x on a mobile device.

Polytechnic University of Milan

M.S. Exchange Program in Computer Science and Engineering

National Taiwan University (NTU) B.S. in Bio-Industrial Mechatronics Engineering

· Thesis: A machine learning model of efficient website rendering for server rendering browser. Proposed a model to guess which parts of the website need to be re-rendered so that reduces rendering time and optimize web perforMilan, Italy

Sep. 2021 - Feb. 2022

Hsinchu, Taiwan

Sep. 2019 - Jun. 2022

Taipei, Taiwan Sep. 2014 - Jun. 2019

Work Experience

National Yang Ming Chiao Tung University

Teaching Assistant

- Parallel Programming (Spring 2021, Fall 2020). Won the NYCU outstanding teaching assistant award in 2021.
- Numerical Software Development (Spring 2021, Fall 2020, Spring 2020, Fall 2019)

National Center for High-Performance Computing

Research Intern

· Built a full-stack system for an AI service, which provides users a frontend GUI (with Angular) to lunch and monitor AI tasks, and includes a backend system (with Node is Express + Python Flask) to manage the Al service.

Hsinchu, Taiwan

2019 - 2021

Hsinchu, Taiwan

Jul 2020 - Mar 2021

Skymizer **Software Engineering Intern**

 Developed unit tests (using GoogleTest) at variant levels for the C backed-end of the Open Neural Network Compiler (ONNC)

Taipei, Taiwan

Feb 2019 - Jun 2019

CloudMosa, Inc.

Software Engineering Intern

· Developed the module that enables users to download files directly to Dropbox on Puffin browser, including a Python backend to connect cloud services APIs and modifications for the core of Puffin browser (a remote browser engine).

• Developed parts of frontend GUI (with GTK) for the Linux version of Puffin browser.

Taipei, Taiwan Jul 2018 - Sep 2018

Taipei, Taiwan

Delta Electronic, Inc. **Software Engineering Intern**

• Designed full-stack system for DNA analysis service, which includes login, control panal and monitor, via Angular, Ant Design, Express and MongoDB with complete unit tests at variant levels.

Sep 2017 - Dec 2017

Fusion\$360

Software Engineering Intern

• Designed and developed a frontend page with Angular for E-Wallet service.

· Developed crawlers of news and patents (Taiwan, Europe, U.S) from web pages and APIs in Java.

Taipei, Taiwan

Nov 2016 - Jul 2017

Projects

Self Projects

- · WxKitty: A Line Chatobot for Taiwan weather information, which has 6000 users and gets more than 100 stars. https://github.com/weather-bot/WxKitty
- · Vocabulary Titan: A Line Chatobot integrates different online dictionaries for English vacabulary looking up with 8000 users. https://github.com/tigercosmos/vocabulary-titan
- node-color-log: A lightweight JavaScript logger with 10k/month downloads. https://github.com/ tigercosmos/vocabulary-titan

Big Projects

 Servo Browser: Mozilla's new web broswer engine writtern in Rust (20k stars). Contributed about 50 commits, including browser core funtionality and web tests. https://github.com/servo/servo

Skills

Programming Expert: JavaScript, C/C++, Python, Node.js, Experienced: Rust, PHP, Java, C#

Full-stack HTML5, Angular, jQuery, Express, REST API, Flask, MongoDB, MySQL, Chatbot, Android, AWS, CI/CD, Git, Github

Mandarin Chinese (Native), English (B2, TOFEL iBT 83), Japanese (A1) Languages

MARCH 24, 2022 An-Chi Liu's Résumé