

An-Chi Liu

SOFTWARE ENGINEER · SYSTEM SOFTWARE PROFESSION

Taipei, Taiwan

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Education

National Yang Ming Chiao Tung University (NYCU)

M.S. in Computer Science and Engineering

- GPA: 3.91/4.3. 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.

Hsinchu, Taiwan

Sep. 2019 - Jun. 2022 (Expected)

Polytechnic University of Milan

M.S. Exchange Program in Computer Science and Engineering

Milan, Italy

Sep. 2021 - Feb. 2022

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 performance. GPA: 3.10/4.3.

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)

Hsinchu, Taiwan

2019 - 2021

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.js Express + Python Flask) to manage the AI service.

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), where the coverage reached above 90%.

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

Delta Electronic, Inc.

Software Engineering Intern

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

Taipei, Taiwan

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 vocabulary 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/node-color-log>

Big Projects

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

Skills

Programming

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

Full-stack

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

Languages

Mandarin Chinese (Native), English (Conversational), Japanese (Basic)