

Taipei, Taiwan

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Education

National Yang Ming Chiao Tung University (NYCU)

Hsinchu, Taiwan

Sep. 2019 - Jun. 2022 (Expected)

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. A rank-B conference paper is reviewed in process.

Polytechnic University of Milan

Milan, Italy

M.S. Exchange Program in Computer Science and Engineering

Sep. 2021 - Feb. 2022

National Taiwan University (NTU)

Taipei, Taiwan

B.S. in Bio-Industrial Mechatronics Engineering

Sep. 2014 - Jun. 2019

• 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.

Work Experience

National Yang Ming Chiao Tung University Teaching Assistant

Hsinchu, Taiwan

2019 - 2021

- Parallel Programming (Spring 2021, Fall 2020). Won the NYCU outstanding teaching assistant award in 2021. Led a four-TA team to serve a 120-student course, including designing programming assignments, providing workplace environments, and interacting with students.
- Numerical Software Development (Spring 2021, Fall 2020, Spring 2020, Fall 2019). Reviewed and scored students' programming assignments on Github.

National Center for High-Performance Computing Research Intern

Hsinchu, Taiwan Jul 2020 - Mar 2021

• Built a web system for an AI service, which is provided by other two ML/DL-profession teammates which gives 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.

Skymizer

Taipei, Taiwan

Software Engineering Intern

Feb 2019 - Jun 2019

 Developed unit tests (using GoogleTest) at variant levels for the C backed-end of the Open Neural Network Compiler (ONNC, an open-source AI compiler), where the coverage reached above 90%.

> Taipei, Taiwan Jul 2018 - Sep 2018

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

Delta Electronic, Inc.

Software Engineering Intern

Sep 2017 - Dec 2017

· 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.

Projects

Open-Source Projects

- · WxKitty: Owned a Line Chatobot for Taiwan weather checking, which has 6000 users and gets more than 100 stars. Providing information on weather, forecast, typhoon, earthquake, etc.
- · Vocabulary Titan: Owned a Line Chatobot integrated different online dictionaries for English vocabulary looking up with 8000 users, which shorten the searching time of switching different dictionaries when preparing for English exams like TOEFL or GRE.
- · node-color-log: Owned a lightweight JavaScript logger with 10k/month downloads, which provides an alternative solution to existing mature counterparts which are usually huge.
- Servo Browser: Contributed to Mozilla's new web browser engine written in Rust (20k stars). Contributed about 50 commits, including browser core funtionality (followed web standard SPEC) and web tests.

Skills

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

System software, parallel programming, heterogeneous computing, high-performance computing **CS Knowledge**

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

Languages Mandarin Chinese (Native), English (Business), Japanese (Basic)