Chao Wen Chen

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OBJECTIVE	*First year student in ISA@NTHU. Inquisitive, hard-working and consistent. Looking for internship opportunities apply my skills and contribute to real-world projects.*

EDUCATION

National Tsing Hua University, Taiwan
Bachelor of Engineering, Computer Science and Engineering(CSE)
National Tsing Hua University, Taiwan
Master of Engineering, Institute of Information Systems and Applications(ISA)

TECHNICAL SKILLS

Experienced : AWS, Kubernetes, SQL, PostgreSQL, Docker
Tools/Framework : Laravel, Vue.js, SwiftUI, React.js, Express, Django
Languages : Javascript, Python, PHP, C/C++, HTML/CSS

EXPERIENCE

Website Administrator and Developer of ITRI   **Jun 17 - Mar 19**
We developed a website for paper searching and recommanding. More than a thousand people have registered and more than 2000 paper is included in this website.

Cloud Security Intern at IBM   **Jul 20 -**
We use IBM Cloud Security technology and leverage threat intelligence and SOAR to solve the threat management problem of Taiwan financial industries

Network Manager of CSCC@NTHU   **Aug 19 -**
I'm responsible for the network function of hosts and switches belong to Department of Computer Science. Including IP management, abuse of network reporting, etc.

PROJECTS

A Laravel based website includes thousands of papers with well arrangement and recommendation. We carefully designed RESTful APIs and follow MVC pattern.
- **Link:** https://industry4.tw/

A cloud based drone controlling project. The cloud service orchestrates multiple services EC2, S3, etc. With this project, we can remote control the drone with user-defined destinations or routes. I also built an IOS app using SwiftUI from scratch.
- **Demo:** https://www.youtube.com/watch?v=FEIgZtJsIbk

We reconstruct a website of Butterfly Garden in NTHU since the old website isn't suitable for mobile devices. We redesign the database, and follows the MVC pattern by using Laravel and Vue.
- **Link:** http://belc-butterfly.vm.nthu.edu.tw

Publications

[1] G. Wang, **C. Chen**, C. Chen, L. Pan, Y. Wang, C. Fan, and C. Hsu, "Streaming scalable video sequences with media-aware network elements implemented in P4 programming language," in Proc. of IEEE Network Operations and Management Symposium (NOMS'18) Demo Session, Taipei, Taiwan, April 2018, pp. 1–2.

[2] Q. Zhu, M. Uddin, N. Venkatasubramanian, **C. Chen**, and C. Hsu, "Spatio-temporal scheduling of in-Situ and mobile Internet-of-Things devices for urban environment sensing," Ongoing Work.

[3] **C. Chen**, T. Hong, and C. Hsu, "Essential Components of Modern Machine Learning Platforms," Ongoing Work.

Research Grant

[1] Streaming scalable video Sequences with media-aware network elements, MOST Undergraduate Research Project (#107-2813-C-007 -074 -E), $48,000, July 2018 - February 2019