Chao Wen Chen

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OBJECTIVE

Senior student in NTHU, and ready for the master program in NTHU. Inquisitive, hard-working and consistent. Looking for internship opportunities at Skymizer where I can apply my skills and contribute to real-world projects.

EDUCATION

National Tsing Hua University, Taiwan
Bachelor Engineering, Computer Science and Engineering(CSE)
Expected June, 2019

TECHNICAL SKILLS

Languages : Javascript, Python, C++, C, PHP
Database : MySQL, PostgreSQL
Tools/Framework : Laravel(PHP), Djanogo(Python)
Familiar : Java, Javascript, HTML, CSS
General : Data Structures, Algorithm, Object Oriented Programming

EXPERIENCE

Website Administrator and Developer of ITRI **Jun 17 - Mar 19**
We developed a website for paper searching and recommanding. More than 700 people have registered and more than 2000 paper is included in this website.

Research Assistant of NMSL@NTHU **Jun 17 -**
Our research field covers network and all kinds of media. Now we are looking for a better solution for the next generation network. E.g. SDN, QUIC, AR, VR, etc.

PROJECTS

Smart Manufacturing Digital Library **Mar 2019**

A laravel based website includes thousands of papers with well arrangement and recommendation. We separated front-end and back-end clearly with restful APIs.

- **Technology/Tools:** PHP, Javascript HTML, CSS
- **Link :** industry4.tw/

Streaming scalable video sequences with media-aware network elements implemented in P4 programming language **Apr 2018**

Based on P4, a SDN language, to realize a media-aware network elements. We used bmv2 and SVEF to do some experiments. The result shows that we can maintain stable video streaming than regular switches.

- **Technology/Tools:** C, P4, Python
- **Link :** ieeexplore.ieee.org/abstract/document/8406129

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 (NOMS18) Demo Session, Taipei, Taiwan, April 2018, pp. 12.

[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," ACM Transactions on Internet of Things, in preparation, October 2018.

Research Grang

[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