

Chao Wen Chen

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| OBJECTIVE | <i>Senior student and ready for the master program both 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.</i> | |
| EDUCATION | National Tsing Hua University , Taiwan <i>Bachelor Engineering, Computer Science and Engineering(CSE)</i> Expected June, 2019 | |
| TECHNICAL SKILLS | Languages : Javascript, Python, C++, C, PHP Database : MySQL, PostgreSQL Tools/Framework : Laravel(PHP), Djanogo(Python), Node.js Familiar : PHP, Javascript, React, React-Native, 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 recommending. 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. | |
| | Summer Intern of Administration Yuan | Jul 18 - Aug 18 |
| | It's a project for checking and revise websites of each departmanet in the govnerment. I checked more than 100 website and give them advices to make it better. | |
| 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. <ul style="list-style-type: none">• 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. <ul style="list-style-type: none">• Technology/Tools: C, P4, Python• Link : ieeexplore.ieee.org/abstract/document/8406129 | |
| Publications | <p>[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.</p> <p>[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.</p> | |