

## Chao Wen Chen

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| <b>OBJECTIVE</b>        | <i>First year student in ISA@NTHU. Inquisitive, hard-working and consistent. Looking for internship opportunities at AWS where I can apply my skills and contribute to real-world projects.</i>  |
| <b>EDUCATION</b>        | <b>National Tsing Hua University</b> , Taiwan<br><i>Bachelor of Engineering</i> , Computer Science and Engineering(CSE)<br><b>National Tsing Hua University</b> , Taiwan<br><i>Master of Engineering</i> , Institute of Information Systems and Applications(ISA)  |
| <b>TECHNICAL SKILLS</b> | <b>Experienced :</b> AWS, Kubernetes, MySQL, PostgreSQL, Docker, Hadoop<br><b>Tools/Framework :</b> Laravel, React, Vue, Node.js<br><b>Languages :</b> PHP, Javascript, Python, C/C++  |
| <b>EXPERIENCE</b>       | <b>Website Administrator and Developer of ITRI</b> <b>Jun 17 - Mar 19</b><br>We developed a website for paper searching and recommending. More than a thousand people have registered and more than 2000 paper is included in this website.<br><br><b>Summer Intern of Administration Yuan</b> <b>Jul 18 - Aug 18</b><br>It's a project for checking and revise websites of departments in the government. I checked hundreds of websites and give them advices to make it better.<br><br><b>Network Manager of CSCC@NTHU</b> <b>Aug19 -</b><br>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.   |
| <b>PROJECTS</b>         | A laravel based website includes thousands of papers with well arrangement and recommendation. We carefully designed RESTful APIs and follow MVC pattern. <ul style="list-style-type: none"><li>• <b>Link:</b> <a href="http://industry4.tw/">industry4.tw/</a></li></ul><br>Realizing a media-aware network element based on P4, an SDN language. We conduct experiments with bmv2 and SVEF. The result shows that we can maintain stable video streaming than regular switches. <ul style="list-style-type: none"><li>• <b>Link:</b> <a href="http://ieeexplore.ieee.org/abstract/document/8406129">ieeexplore.ieee.org/abstract/document/8406129</a></li></ul><br>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. <ul style="list-style-type: none"><li>• <b>Link:</b> <a href="http://belc-butterfly.vm.nthu.edu.tw">belc-butterfly.vm.nthu.edu.tw</a></li></ul> |
| <b>Publications</b>     | [1] G. Wang, <b>C. Chen</b> , 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.<br><br>[2] Q. Zhu, M. Uddin, N. Venkatasubramanian, <b>C. Chen</b> , and C. Hsu, "Spatio-temporal scheduling of in-Situ and mobile Internet-of-Things devices for urban environment sensing," Ongoing Work.<br><br>[3] <b>C. Chen</b> , T. Hong, and C. Hsu, "Essential Components of Modern Machine Learning Platforms," Ongoing Work.   |
| <b>Research Grant</b>   | [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   |