

# Chao Wen Chen

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Github : <https://github.com/George0112>

<b>OBJECTIVE</b>	<i>First year student in ISA@NTHU. Inquisitive, hard-working and consistent. Looking for internship opportunities at Google where I can apply my skills and contribute to real-world projects.</i>		
<b>EDUCATION</b>	<b>National Tsing Hua University</b> , Taiwan <i>Bachelor of Engineering</i> , Computer Science and Engineering(CSE) <b>National Tsing Hua University</b> , Taiwan <i>Master of Engineering</i> , Institute of Information Systems and Applications(ISA)		
<b>TECHNICAL SKILLS</b>	<b>Languages :</b> Javascript, Python, C++, C, PHP <b>Tools/Framework :</b> Laravel(PHP), React, React-Native, Node.js <b>Familiar :</b> PHP, Javascript, HTML, CSS		
<b>EXPERIENCE</b>	<b>Website Administrator and Developer of ITRI</b>	<b>Jun 17 - Mar 19</b>	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.
	<b>Summer Intern of Administration Yuan</b>	<b>Jul 18 - Aug 18</b>	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.
	<b>Network Manager of CSCC@NTHU</b>	<b>Aug19 -</b>	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 follow MVC design with carefully-designed RESTful APIs. <ul style="list-style-type: none"><li>• <b>Link:</b> <a href="http://industry4.tw/">industry4.tw/</a></li></ul> Based on P4, an SDN language, to realize a media-aware network elements. 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> 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 + 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>	<p>[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.</p> <p>[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.</p> <p>[3] <b>C. Chen</b>, T. Hong, and C. Hsu, "Essential Components of Modern Machine Learning Platforms," Ongoing Work.</p>		