# Chuo-Yun Yang

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## Education

**Georgia Institute of Technology** <div align="right">Atlanta, U.S.</div>
*M.S. in Computer Science* <div align="right">Aug 2018 –</div>
***Courses*** *(Currently taking)  Advanced Operating System, Big Data Systems & Analytics, Computability & Algorithms,  Computer Networks*

**National Chiao Tung University** <div align="right">Hsinchu, Taiwan</div>
*B.S. in Computer Science (GPA: 4.13/4.3)* <div align="right">Sep 2014 – Jan 2018</div>
***Awards***  *Academic Achievement Award (Students within top 5%: 3 Semesters)*
***Courses***  *Cloud Computing, System Administration, Compiler Design, Computer Networks, Database Systems, Operating Systems, Data Structures, Algorithms*

## Experience

**NCTU Online Curriculum Assistant Project** *NCTU, Hsinchu, Taiwan* <div align="right">Jul 2017 – Jul 2018</div>
*[A website to help students analyze their learning processes, communicate with their mentors, choose courses, and check graduation status with a user-friendly interface ]*
*Back End Web Developer Intern (Build the website from scratch)*
o Deploy the website with Express and Nginx
o Implement the login system with oAuth
o Provide Restful API to retrieve student data
o Track whether a student satisfies graduation requirement

**SDN Project** *Accton Technology, Hsinchu, Taiwan* <div align="right">Jul 2017 – Aug 2017</div>
*[ Working on various ONOS applications ]*
*Intern*
o Build different network topology with MININET
o Construct vRouter with ONOS and OVS and rewrite ONOS app to control the routing
o Study the Openflow Protocol

## Projects

**Building an Interactive Map Taking Input From Sensors** <div align="right">Aug 2016 – Jul 2017</div>
*[ In NCTU, there are various sensors with information about their locations. Having a single output device to display all kinds of information in a user-friendly way is important ]*
o Integrate the sensors in the school campus to a single output device by Google Map API using the IOTTALK platform constructed by Prof. Yi-Bing Lin's laboratory
o Analyze the geodata from LoRa-Based dog trackers to track and predict the location of dogs

**Create a Private Cloud Storage Service** <div align="right">Sep 2017 – Jan 2018</div>
*[ A private cloud object storage (Swift) that users can customize how they want their data to be stored by customizing different middleware ]*
o Set up Openstack with multi-nodes and install Object Storage (Swift)
o Configure the middleware of Swift with Python
o Provide a web interface to customize different middleware and interact with Swift API by Express

**Hypervisor Profiling** <div align="right">Sep 2017 – Jan 2018</div>
*[ Compare the memory usage and runtime difference between host machine and hypervisor program when running a multithread program ]*
o Designed a program that user can customize the thread and CPU number used to run the program, and predict the runtime
o Analyze the difference between running multithread program on hypervisor and host OS

## Skills

**Proficient in** *C/C++, Express, Node.js, Javascript, Docker, Git* **also familiar in** *Python, Java, Assembly, Verilog, Bash, MySQL*