

# Chuo-Yun Yang

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## Education

**Georgia Institute of Technology**

Atlanta, U.S.

*M.S. in Computer Science*

Aug 2018 –

**National Chiao Tung University**

Hsinchu, Taiwan

*B.S. in Computer Science (GPA: 4.13/4.3)*

Sep 2014 – Jan 2018

**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

Jul 2017 – Jul 2018

[ 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)*

- Deploy the website with Express and Nginx
- Implement the login system with OAuth
- Provide Restful API to retrieve student data
- Track whether a student satisfies graduation requirement

**SDN Project** Accton Technology, Hsinchu, Taiwan

Jul 2017 – Aug 2017

[ Working on various ONOS applications ]

*Intern*

- Build different network topology with MININET
- Construct vRouter with ONOS and OVS and rewrite ONOS app to control the routing
- Study the Openflow Protocol

## Projects

**Building an Interactive Map Taking Input From Sensors**

Aug 2016 – Jul 2017

[ 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. ]

- 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
- Analyze the geodata from LoRa-Based dog trackers to track and predict the location of dogs

**Create a Private Cloud Storage Service**

Sep 2017 – Jan 2018

[ A private cloud object storage (Swift) that users can customize how they want their data to be stored by customizing different middleware ]

- Set up Openstack with multi-nodes and install Object Storage (Swift)
- Configure the middleware of Swift with Python
- Provide a web interface to customize different middleware and interact with Swift API by Express

## Skills

**Proficient in** C/C++, Express, Node.js, Javascript, SQL, **also familiar in** Python, Java, Assembly, Verilog