

# Allen Wu

+886911677919 • allencat850502@gmail.com • <https://github.com/allenwhale>

## OBJECTIVE

---

Seeking a full-time intern/co-op position in the field of software engineering, with preferences on Algorithm, System/Network Administration, Database Management or Web development.

## EDUCATION

---

### National Chiao Tung University

BS in Computer Science

Sep 2014 — Expected June 2018

Grade: GPA 4.05/4.3

- Relevant Coursework: Algorithm, Data Structure, Operating System, System/Network Administration, Network Programming

## PROFESSIONAL EXPERIENCE

---

### Industrial Technology Research Institute, Hsinchu, Taiwan

June 2015 — Present

Part-time Software Engineer

- Built a virtual reality project
- Developed e-commerce big data collection and analysis system

### NCTU CS Computer Center TA

- CS Department web frontend development
- CS Department workstation system administration

### Introduction to Computers and Programming/Object-Oriented Programming TA

- Provided assistance for students studying in programming classes

## EXTRACURRICULAR

---

### NCTU.py Introduction to Python Programming - Lecturer

- The course has over 700 views on YouTube and over 20 participants

### ICube GPE tutorial – Lecture

- Tutorial of Collegiate Programming Exam(GPE), introduction to the approach to solve the problem

## SELECTED PROJECTS

---

### NCTU Online Judge System (<https://oj.nctu.me>)

web site

Github repo: [Tocknicsu/nctuoj](#)

- developed with tornado asynchronous web framework(Python) and created my own MVC structure

judge center

Github repo: [Tocknicsu/judge-center](#)

- used python socket programming to communicate with judge clients

judge client

Github repo: [Tocknicsu/judge-client](#)

- used python socket programming to communicate with judge center, and used cms-isolate as sandbox to judge test file

### PTT Crawler

Github repo: [allenwhale/ptt\\_crawler](#)

- collected PTT essays through python

### Taiwan Model United Nations Conference Website (<http://mytwmun.org>)

Github repo: [fogworkshop/NCTU\\_NTHU\\_MUN](#)

- Provided a platform for NCTU NTHU MUN to register

### NCTU EDA Lab Website (<http://eda.nctu.edu.tw/>)

Github repo: [kevchentw/NCTU-EDA-Web](#)

- Developed a website to introduce EDA Lab

## ACHIEVEMENTS

---

2016 National Collegiate Programming Contest (Application Software Group) 1st Place

2016 National Collegiate Programming Contest (Programming Group) 2nd Place

2015 ACM-ICPC Asia Taipei Regional Contest Rank 12 Third Prize

2015 ACM-ICPC Asia Jakarta Regional Contest Rank 9

2015 Mei-Chu Hackathon 2nd Place (E.Sun Bank group 1st place, UI/UX Prize)

Github repo: [kevchentw/nctu\\_hackathon](#)

2014 ACM-ICPC Asia Taichung Regional Contest 17<sup>th</sup>

2014 Taiwan Olympiad in Informatics (TOI) Camp

## SKILL

---

### Language

- Mandarin Chinese: Mother Tongue
- English: GEPT High-Intermediate Level

### Programming Language

- C/C++, Python, PHP, HTML, CSS, JavaScript, Verilog

### Develop

- Algorithm Problem Solving
- Web Develop: tornado/Django (python framework), ReactJS/VueJS (Javascript framework)
- Database Administration: MySQL, PostgreSQL, MongoDB, Redis
- System/Network Administration: Unix-like system