

# Yu-Cheng Liao (Toby)

## Curriculum Vitae



+886 972-182-782  
toby.liao@ycliao.io  
<https://resume.ycliao.io/>  
<https://linkedin.com/in/yu-cheng-liao/>

### OBJECTIVE

“With a great interest in **Software Engineering**, especially **Website Programming**, **SQL Programming**, **Networking Topology** and **CI/CD**, hope to dedicate to these field and make a contribution to the company. I am fast learner and love to team with colleague.”

### EDUCATION

Hong Kong University of Science and Technology 2019/20 (FT)  
**Master of Science - Telecommunication**

Received the Entrance Scholarship (20000 \$HKD)

National Taiwan University of Science and Technology 2014/18 (FT)  
**Bachelor of Science - Electrical Engineering**

Valedictorian of graduation ceremony in my university  
NTUST Outstanding Youth Awards (11/12000 ppl)

### WORK EXPERIENCE

Umbo Computer Vision™ AUG 2018 - DEC 2018 (FT)  
**Infrastructure Operating Engineer**

Independently build up an internal FAE tool (full-stack)

Frontend: ReactJS (Material UI, Bootstrap)

Backend: Python-Flask (Restful API)

CI/CD Process (Docker, Jenkins, Kubernetes)

Elastic Search (Kibana[Query, Visualize])

Amazon Web Service (EKS, Load balance, Basic Functionality)

**Key abilities Cultivation:**

Independently handle a project and lead the teammate to finish works.

Umbo Computer Vision™ NOV 2017 - JUN 2018 (PT)  
**Software Quality Assurance Intern**

Databases Query (SQLite, MongoDB)

Mock Server for production usage (Python)

Networking Structure (TCP/IP, UDP, Wireshark)

Python Programming (Pymongo, Paramiko, httpserver)

Github version control (QA team repo contributor)

**Key abilities Cultivation:**

Focus on Python Programming and mentor the new coming intern.

### What makes me different from peers?

*Responsible for Product API Testing - QA Intern*

Achieved a remarkable 120% growth rate in revenue

*Responsible for Android Mobile Testing: - QA Intern*

Improved Efficiency of work 30% than iOS project

*Developed network scanning tool for Developers - QA Intern*

Reduce the daily routine time cost of 10% for Dev team.

*Developed testing tool for FAE team(full-stack): - infra Eng*

Reduce the daily routine time cost of 30% for FAE team.

### PRACTICAL PROJECT

#### Query and visualize the data on web through database

It's a full-stack project with CI/CD implementation, deployed in company's domain on AWS.

**Key Technology:**

ReactJS, Python-flask, Jenkins, Docker, Kubernetes.

#### Diagnosing Insole Diseases with DNN

It's a python-base project, with a primitive user interface which help the doctor P.T. to detect the insole discomfort. Moreover, the researchers can retrieve the record and plot.

**Key Technology:**

Python(matplotlib), Delsis, Emg Sensor.

#### ACL rehabilitation with Gamming feature

Target audience are patients with the Anterior Cruciate Ligament injury and under rehab process. In this project, I am the person to lead the tech part, and deliver the pitch. We attended the Imagine Cups hold by the Microsoft.

**Key Technology:**

Arduino(C++), Project Management, English Presentation.

### AWARDS

JUL 2018 **Microsoft Imagine Cups World Final**  
*Representing Taiwan to attend Final in Seattle*

MAR 2018 **NTUST Outstanding Youth Award**  
*Selected as 11 out of 12,000 students*

JUL 2015 **Best Presenter of the Day**  
*International Conference in Bangkok*

### COMPUTER SKILLS

INTERMEDIATE Javascript, HTML, CSS,  
MacOS, Linux System, Clang, Golang  
Kubernetes, Elastic Search, LaTeX

EXPERT Python, Unix, Docker, Jenkins

### REFERENCES

#### Mr. Henry Soang

POSITION QAE team leader  
EMPLOYER Umbo Computer Vision™  
PHONE +1 (888) 449-1321 (Work)  
PHONE +886-2-8751-2501