

Liao, Yu-Cheng (Toby)

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🔥 gitlab.com/TobyLiao

🎯 Goal

Operating Infrastructure Engineer

➤ Leverage versatile ability like **Communication** and **Programming** skills to solve the problems.

Team work with colleagues in **UmboCV** and lead the feature testing in the production mode.

➤ Highly dedicated software engineer **with top AI startup experience** looking for a job as an

Operating Infrastructure Engineer where my skills and experience can add value to the company.

🎓 Education

BS, Electrical Engineering (2014 Sep - 2018 June)

Graduated from National Taiwan University of Science and Technology
(The Top 1st Technical College in Taiwan. Overall rank at 5th in Taiwan)
Overall **GPA 3.73 / 4.0**

National Science Council Project (2015 Sep - 2017 June)

Database(mysql), Python Script (Jiann-Liang Chen's Laboratory)

🧠 Ability



Golden Certificate of TOEIC
(865/990 points)



TOFEL Test
(83 points, speaking 23)



👤 Work Experience *UmboCV (Umbo Computer Vision) (2017 Nov - 2018 Dec)*

UmboCV is an artificial intelligence company developing autonomous security systems for enterprises, governments, and all of the companies which has security needs. It also advancing surveillance with a new neural network-based artificial intelligence.

Quality Assurance Engineer

Python Programming(Pymongo, Paramiko)
Networking Structure(TCP/IP, UDP, OSI-Model)
MongoDB Query(With Terminal and Sequel-Pro)
Mock Server for production use(Http, RESTful API)
Operating System(Linux[Ubuntu, alpine], MacOS)

What makes me different from peers?

Responsible for Customer's API Testing

➤ Achieved a remarkable **200% growth rate** in revenue

Responsible for Android Mobile Testing:

➤ **Improved Efficiency of work 50%** than iOS project

Operating Infrastructure Engineer

Backend: Python-Flask(Restful API)
Frontend: ReactJS(Responsive Web Design)
Python auto-testing(pytest), GitHub(**Main-Maintainer**)
CI/CD Process(Docker, Jenkins, Kubernetes)
Elastic Search(Leverage **Kibana**[Query, Visualize])

Developed network scanning tool for Developers

➤ Developer save **10% of time** during daily routine work

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

➤ **Improved Efficiency of work 30%** than they used to

📄 Practical Project

Realtime detecting PM2.5 with Website

Responsible for the connection between
MCU and Website

Python, MySQL, HTML, CSS, Linkit-One(C++)

Diagnosing Insole Diseases with DNN

Responsible for the DNN Model in Python

Python(Keras, Tensorflow, matplotlib, thread)

Merging Financial report with NLP

Responsible for the data preprocessing and
Word2Vec(Gensim), and LSTM Technology

Python(Keras(Tensorflow), Gensim, LSTM)

ACL rehabilitation with Gamming feature

Responsible for the presentation and project manage

Focus on Communication and Presentation Demo

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🏆 Awards

Microsoft Imagine Cups Taiwan Final (2018 May)

Representing Taiwan to attend Final in Seattle(International)

NTUST Outstanding Youth Award(2018 Mar)

Selected as **11 out of 12,000** students to receive
NTUST Outstanding Youth Award

International Robotic Design **Championship** (2017 Sep)

KyuTech Robotic Programming Competition

National Electronic Project (2016 Apr)

National Project Competition, 4th Place

Best Presenter of the International Conference (2015 Jul)

International Conference, **presented in English**

📈 Extracurricular Experiences

Visit Silicon Valey in San Francisco (2017 Aug - 2017 Sep)

Won the **1st place** of Entrepreneurial Competition in NTUST

Representing School to visit Silicon Valley

Visit Kyu-Shu University in Japan (2017 Sep - 2017 Sep)

Won the **1st place** of Robotic Programming Competition

Representing the laboratory to visit Kyu-Shu University

Software Engineer in Startup team (2016 Sep - Current)

Used only **1 week** to solve the bluetooth Connection problems
between Mobile(Android) and Arduino.

👤 Club Experiences

President - Winter Camp of Elite Club (2014 Sep - 2015 Jan)

Achieved Remarkable Growth Rate 250% of Sponsorship

Expanded 120% of the camp scale than last year

President - Japanese Culture Club (2014 Sep - 2015 Sep)

Founding Member of this club, expanded the scale to **70 people**

Interviewed by the reporters and the was **reported on magazine**

Varsity Tennis Team in NTUST (2015 Sep - 2016 Sep)

Won the National Tennis Competition **Champion** for team events



WearCast MCU



InsoleAnalysis



NLP Project