

YuCheng Liao (Toby)

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Education Background

Hong Kong University of Science and Technology

Hong Kong, China

Master of Science in Telecommunication

2019.09-2020.07

- Admission Scholarship (HKD\$20000), Representer of new PG student in HKUST

National Taiwan University of Science and Technology

Neihou, Taiwan

Bachelor of Science Electrical Engineering

2014.09-2018.06

- Average GPA: 3.73/4.0, NTUST Outstanding Youth Awards (**top 1%**), Valedictorian of Graduation Ceremony
- Wireless Networks and Evolutional Communications Laboratory (Computer network, Wireless Networking)

Internship and Work Experience

Umbo Computer Vision™

Neihou, Taiwan

Title - Fulltime Infrastructure Operating Engineer

2018.07-2018.12

- Independently build up an internal platform for FAE team - **Reduce routine time cost of 10% for FAE team.**
 - Key Tech: Flask (Python), ReactJS, Elasticsearch, CI/CD (Jenkins, K8S), Bootstraps, RestfulAPI
- Mentoring new-coming engineer of work-flow and firm's feature detail - **Reduce the cost of 50% (1.5 month).**
 - Key Tech: IPCamera, ShellScript, Embed System Login (SSH Login), Cloud Service (AWS, GCP)

Umbo Computer Vision™

Neihou, Taiwan

Title - Software Quality Assurance Intern Lead

2017.11-2018.06

- Take charge of customer-side API testing - **Achieved a remarkable 10% growth rate in revenue.**
 - Key Tech: Python (Pymongo, Paramiko, Httpserver), Networking (wireshark, tcpdump), TestPlan
- Take charge of Android feature testing - **Improved Efficiency of work 50% than iOS project**
 - Key Tech: Database (SQLite, MongoDB), GitHub usage, Server-side build-up (Python), TestPlan
- Developed network scanning tool (Current use) - **Reduce routine time cost of 20% for Dev team.**
 - Key Tech: Linux Shell Script, Python (subprocess, netifaces), pyinstaller package

Curricular Project and Project Competition

Diagnosing Insole Diseases with Deep Neuro-Network

Neihou, Taiwan

Main Dev - Rehabilitation Engineering and Pose Analytic Laboratory (**Prof.Hsu Wei-Chun**)

2017.10-2018.01

- 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 Tech: Python (Matplotlib), Delsis, Emg Sensor

ACL rehabilitation with Gaming feature

Neihou, Taiwan

Main Presenter and Project Manager - **Microsoft Inc. Imagine Cups Taiwan Championship**

2018.01-2018.07

- 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 Tech: Arduino (C++), Project Management, English Presentation

Sills and Open Source Contribution

- Programming Language:
 - [Skilled] Python (Backend Dev), CI/CD process (Jenkins, k8s)
 - [Medi] C/C++, Web Development (JS, HTML, CSS), Latex
 - [Basic] SDN (Open vSwitch, MiniNet, Openflow)
- Open Source Contribution:
 - Learning-SDN (<https://github.com/YanHaoChen/Learning-SDN>)
 - Open vSwitch (<https://github.com/openvswitch/ovs>)