**YuCheng Liao (Toby)**

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| **Education Background** | | |
| **Hong Kong University of Science and Technology**  Master of Science in Telecommunication | Hong Kong, China  2019.09-2020.07 | |
| * Admission Scholarship (HKD$20000), Representor of new PG student in HKUST | | |
| **National Taiwan University of Science and Technology**  Bachelor of Science Electrical Engineering | | Neihou, Taiwan  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™**  Title - Fulltime ﻿Infrastructure Operating Engineer | | Neihou, Taiwan  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™**  ﻿Title - Software Quality Assurance Intern Lead | | Neihou, Taiwan  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**  Main Dev - Rehabilitation Engineering and Pose Analytic Laboratory **(Prof.Hsu Wei-Chun)** | | Neihou, Taiwan 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**  Main Presenter and Project Manager - **Microsoft Inc. Imagine Cups Taiwan Championship** | | Neihou, Taiwan 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>) | | |