YuCheng Liao (Toby)

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Education Background

Hong Kong University of Science and Technology
Hong Kong, China
2019.09-2020.07

Master of Science in Telecommunication

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

National Taiwan University of Science and Technology
Taiwan, China
2014.09-2018.06

Bachelor of Science Electrical Engineering

- 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™
Taiwan, China
2018.07-2018.12

Title - Fulltime Infrastructure Operating Engineer

- 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™
Taiwan, China
2017.11-2018.06

Title - Software Quality Assurance Intern Lead

- 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
Taiwan, China
2017.10-2018.01

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

- 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
Taiwan, China
2018.01-2018.07

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

- 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)