LI CHUNG YENG

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EDUCATION

Tamkang University
B.E. Electrical and Computer Engineering July 2017 – July 2021

WORK EXPERIENCE

Teaching Assistant – *Course: Linux Operating System, Tamkang University* Sep 2020 – Present
Job Role: Instructor for Raspberry Pi hands-on class and help solve students' problems in class.

Teaching Assistant – *Course: Cloud Services Architecting Practices, Tamkang University* Sep 2020 – Present
Job Role: Serve as AWS class representative, responsible for contacting AWS officials and help schedule certification exam.

Research Assistant – Learning-Oriented AI Teaching Strategy Recommendation System Research Community, Tamkang University Sep 2020 – Present
Job Role: Sole developer of TKUGERS and responsible for the project's expenditures reimbursement.
Funded by Ministry of Education Higher Education Sprout Project (HESP), Project Number: FDXA326

IT – Embedded Systems Laboratory, *Tamkang University* Jan 2018 – Present
Job Role:
- Setup lab server's environment and infrastructure, maintains SSH and printer security.
- Reduced excessive lab infrastructure cost and increased shared compute power per capita by incorporating thin client concept with the use of VS Code into our lab's workflow.
- Established the habit of version controlling by promoting the use of Git, teaching how to write READMEs and pushing projects onto GitHub.

ACTIVITIES

Senior

"Guided Asymmetric Networks for Single Image Super Resolution" *Python*
Assisted in Ph.D. student's research by implementing the architecture into code.

TKUGERS *https://tkugers.com* *Vue.js, Flask, GCP (Google App Engine)*
Developed the full stack of "*TKU G*eneral *E*ducation *R*ecommendation *S*ystem," a deep learning-based general education course recommendation system with over 1,200 users by working with 7 professors from various fields.

Translation LINE Bot *Node.js, GCP (Speech-To-Text, Text-To-Speech, Cloud Translation API)*
Developed translation Line bot with text-text, text-speech, speech-text, speech-speech translation modes with support for 109 languages and 250 voice combinations.

"A Course Recommendation System Based on Course Content and The Learning Preferences of Students" *Python*
Assisted in graduate student's research by writing code for data scraping and analyzing.

Junior

"The Study of Indoor Positioning System Based on Pedestrian" *C, Arduino*
Assisted in graduate student's research by writing code for auto collecting Wi-Fi RSSI.

Sophomore

EVest
Developed an innovative digital shooting sports (paintball, airsoft…etc.) scoring system for a paintball wholesale company.

Open Source Experience

1. Fixing Gitlab's Gitter website i18n redirection bug as well as adding future support for other subtag translations. Merge requests are as follows:
   - *gitterHQ/webapp: !1768, !1773*
   - *gitterHQ/gitter-translations: !81*

   Awarded 8th place in Q1'2020 Gitlab Hackathon
2. Improving user experience of a Vue.js form generator tool by adding some touches to existing features. Pull request is as follows:
   - *ditdot-dev/vue-flow-form: #151*

Cybersecurity Related

- Found and helped patched Dirty Cow vulnerability on servers of three IC design labs when taking VLSI design class.
- Reported user privacy bug on Shopee e-commerce platform.
- Remotely printed security warnings to multiple unsecured printers on the web, from academic institutions to government agencies, and even universities abroad.

HONOR & AWARDS

Tamkang University Information Week Seven Department United Competition - 2nd Place May 2019
Won second place out of 19 teams in the 2019 Tamkang University Information Week Seven Department United Competition by collaborating with another classmate to develop an innovative digital scoring system for shooting sports. We were awarded $20,000 to further develop our technology, which was later sold to a company.

Hiwin Intelligent Robotic Arm Competition - 1st Place Aug 2018
Won first place out of 21 teams in the 11th Hiwin Intelligent Robotic Arm Competition in both own category and overall championship by collaborating with another classmate to develop a precise suction-based cube positioning robotic arm. Our team was awarded a total of $550,000.

Personal Achievement - 1st Place Sophomore
Achieved first among the whole grade in a competitive programming class that uses ACM-ICPC problems as exams and has the highest failure rate of 60% among all courses.

PATENT

Aerial Display System and Floating Pixel Unit Thereof
Patent Number: I715701

LICENSE/CERTIFICATION

iOS Application Program Development*, Apple Regional Training Center at TKU* Issued Dec 2020
Certification ID RTC1082014

General English Proficiency Test*, The Language Training & Testing Center (LTTC)* Issued Dec 2010
Level: High-Intermediate
Certification ID H032637

Completed Events

- **ML Study Jam - 2020***, Google Developers* Issued Sep 2020
  Completed Quests: Machine Learning APIs
- **Cloud OnBoard: Hybrid Architecture with Anthos***, Google Cloud* Issued Sep 2020
  Completed Cloud Hero Challenge: GKE & Anthos, Migrating Virtual Machines
- **ML Study Jam - Intermediate***, Google Developers* Issued Dec 2019
  Completed Courses and Quests: How Google does Machine Learning, Launching into Machine Learning
- **ML Study Jam - Basic***, Google Developers* Issued Jun 2019
  Completed Courses and Quests: Baseline: Data, ML, AI

SKILLS & INTERESTS

Languages/Technologies: Proficient in Python, C/C++, Shell Scripting; previously used JavaScript, MATLAB, Swift, Kotlin. Experienced with Git, Google Cloud Platform, Amazon Web Services, WSL + Zsh. Preparing for Google Associate Cloud Engineer and AWS Certified Cloud Practitioner certification.

Interests: Cooking, Swimming, Triathlon, Freediving, Christopher Nolan films (particularly *Interstellar*).