

LI CHUNG YENG

a2902793@gmail.com · (+886)923516738 · <https://linkedin.com/in/a2902793>

EDUCATION

Tamkang University

M.E. Electrical and Computer Engineering

Sep. 2021 ~ Present

B.E. Electrical and Computer Engineering

Sep. 2021 ~ June 2022

WORK EXPERIENCES

AI & Cloud System Engineer Intern, Systex

Sep. 2021 ~ Jun. 2022

- Specialized in disaster recovery research on OpenShift and Kubernetes.
- Utilized IaaS tools to automate deployment of production Kubernetes clusters with testing to validate ways on preventing/troubleshooting disaster.
- Assisted in writing technical tutorials for the National Center for High-performance Computing, NCHC.

Teaching Assistant, Tamkang University

[1] Competitive Programming (Course No. E2556)

Feb. 2022 ~ June 2022

Highest failure rate course, achieved top 1 in whole grade when studying bachelor's degree.

Eventually became course instructor.

[2] Linux Operating System (Course No. V0024)

Sep. 2020 ~ Jan. 2021

Help solved students' problems and had the opportunity to teach the last two courses.

[3] Cloud Services Architecting Practices (Course No. M2436)

Sep. 2020 ~ Jan. 2021

Serve as AWS class representative and community moderator, responsible for scheduling certification exam administrations and solving students' problems.

IT – Electrical and Computer Engineering Department, Tamkang University

Sep. 2021 ~ Present

IT – Embedded Systems Laboratory, Tamkang University

Jan. 2018 ~ Present

- Design, procure and maintain all servers' infrastructure, environment, and services.
- Reduced excessive lab infrastructure cost and increased shared compute power per capita by incorporating new concepts such as Hyper-Converged Infrastructure, Software-Defined Everything...etc.

Research Assistant – Learning-Oriented AI Teaching Strategy Recommendation Sep. 2020 ~ Jan. 2021

System Research Community, Tamkang University

Main person in-charge, developed TKUGERS, a machine learning based General Course recommendation system. Funded by Ministry of Education Higher Education Sprout Project (HESP), Project Number:

FDXA326

Research Assistant – Embedded Systems Laboratory, Tamkang University

Jan. 2018 ~ June 2021

Assisted in academic research funded by the National Science and Technology Council, NSTC. Participated research include:

- "The Study of Indoor Positioning System Based on Pedestrian Dead Reckoning and Deep Learning"
- "A Course Recommendation System Based on Course Content and The Learning Preferences of Students"
- "Guided Asymmetric Networks for Single Image Super Resolution"

PUBLICATIONS

Li-Chung Yeng, Wei-Tsong Lee and Hsin-Wen Wei, "TNP: A Step Towards Elastic Training", accepted by IEEE ICCE-TW, 2023

Ting-Yu Lin, Tzu-He Huang, **Li-Chung Yeng**, Cheng-Hsiung Chiang and Chien-Chi Jao, "A Guided Dual-path Networks based on Efficient-Net for Super Resolution Application", accepted by IET CETA, 2021

- Best Papers Awards

SKILLS

Proficient in Python, Shell Scripting; previously used JavaScript, Swift, Kotlin.

Experienced with Git, Google Cloud Platform, Amazon Web Services, DevOps and Cloud Native Technology.

Enjoys team building, project management, public speaking and involving in communities.

*This is a 3-pages long Curriculum Vitae.
For a 1-page resume, please use the first page (though I encourage you to read on).*

COMMUNITY EXPERIENCES

Sponsorship Team, COSCUP

Assisted in planning sponsorship packages and organizing emails from sponsors. Developed email automation to provide real-time notification for our team.

Cloud Ambassador – Technical Support, AWS Educate

- Planned workshops with my team and serve as technical support within the team. We have reached a total of over 400 attendees in the first month.
- Build connections with institute teachers to promote AWS

Skills: Event Management · Amazon EC2 · Amazon Lambda · AWS SageMaker · Teamwork · Event Planning · Project Management

Facilitator, #IamRemarkable

- Hosting workshops
- Being an ambassador for #IamRemarkable within my personal and professional networks.

#IamRemarkable is a Google initiative empowering women and underrepresented groups to speak openly about their accomplishments in the workplace and beyond, thereby breaking modesty norms and glass ceilings

Skills: Public Speaking · Diversity & Inclusion · Event Management · People Management · Motivational Speaking

Agenda Team Leader - Devfest 2022 Taipei, Google Developer Groups Taipei

- Responsible for scheduling agenda, contacting speakers, and recruiting volunteers. The event had over 700 attendees, 50 volunteers and 37 speakers from around the world.

Skills: Leadership · Coordination · Event Management · People Management

Lead, Google Developer Student Clubs Tamkang University

Club President, Tamkang University Artificial Innovative Intelligence Club

- Held over 60 talks/workshops with speakers such as Googlers, AWS, Yahoo, professors from NTU/NCKU, board of Taiwan Blockchain Academia and much more.
- Host two major interdisciplinary side projects with around 15 students from 6 different majors, as well as cooperating with 7 different professors of different majors. Projects will be expected to launch in Q3 of 2023.
- Instructor of sys-admin training course for over 48 hours.

Skills: Leadership · Public Speaking · Talent acquisition · Teamwork · Project Management

CERTIFICATIONS/COMPLETED EVENTS (listed in chronological order)

Amazon Web Services, AWS

- AWS Certified Cloud Practitioner Issued Mar. 2021

Apple

- iOS Application Program Development Issued Dec. 2020

Google

- Cloud Study Jam, Google Developers Issued June 2021
- ML Study Jam, Google Developers Issued Sep. 2020
- Cloud OnBoard: Hybrid Architecture with Anthos, Google Cloud Issued Sep. 2020
- ML Study Jam - Intermediate, Google Developers Issued Dec. 2019
- ML Study Jam - Basic, Google Developers

and 25 more badges on [Google Developer Profile](#), 24 more badges on [Google Cloud Skills Boost Profile](#) with a total of 131 hands-on lab accomplished over 177 hours.

Microsoft

- Security, Compliance, and Identity Fundamentals Issued Apr. 2022
- AI Fundamentals Issued Dec. 2021
- Data Fundamentals Issued Nov. 2021
- Azure Fundamentals Issued Sep. 2021

Red Hat

- Red Hat Certified System Administrator Issued Sep. 2021

PATENT

Aerial Display System and Floating Pixel Unit Thereof

Patent Number: [I715701](#)

Filed Dec. 2016

Granted Jan. 2021

*This is a 3-pages long Curriculum Vitae.
For a 1-page resume, please use the first page (though I encourage you to read on).*

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.

SIDE PROJECTS/MISCELLANEOUS

Senior (Sep. 2020 ~ June 2021)

- **Toolbox for Todoist**

An integration app for Todoist deployed on AWS Lambda that allows users to use custom plugins.
Skills: Python · AWS (Lambda, RDS) · Git

- **TKUGERS** <https://tkugers.com> (currently under maintenance)

Developed the full stack of "TKU General Education Recommendation System (TKUGERS)", a deep learning-based general education course recommendation system with over 1,200 users by working with 7 professors from various fields.

Skill: Vue.js · Flask · Google Cloud Platform (Google App Engine)

- **Translation LINE Bot**

Developed translation Line bot with text-text, text-speech, speech-text, speech-speech translation modes with support for 109 languages and 250 voice combinations.

Skills: Node.js · Google Cloud Platform (Speech-To-Text, Text-To-Speech, Cloud Translation API)

- **"A Course Recommendation System Based on Course Content and The Learning Preferences of Students"**

Assisted in NSTC funded research by writing code for data scraping and analyzing.

Skills: Python · Recommendation System · Deep Learning · Data Analysis ·

Junior (Sep. 2019 ~ June 2020)

- **"The Study of Indoor Positioning System Based on Pedestrian Dead Reckoning and Deep Learning"**

Assisted in NSTC funded research by writing code for auto collecting Wi-Fi RSSI.

Skills: C · Arduino

Sophomore (Sep. 2018 ~ June 2019)

- **EVest**

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

Skills: Sensor Design · Circuit Design · PCB Design · Firmware Development · Product Design

Open Source Experience

[1] Translated Gitter's (formerly Gitlab's chat and networking platform) traditional Chinese version as well as fixed i18n redirection bug as well as adding future support for other subtag translations. The platform has over 1.7M users and my code was merged and pushed to production. Merge requests are as follows:

- [gitterHQ/webapp: #1768, #1773](#)
- [gitterHQ/gitter-translations: #81](#)
-

[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](#)

InfoSec Related

- Found and patched Dirty Cow (CVE-2016-5195) vulnerability on servers of three IC design labs when taking VLSI design class during junior year. Nov. 2019
- Remotely printed security warnings to multiple unsecured printers on the web, from academic institutions to government agencies, and even universities abroad. Oct. 2019
- Reported user privacy bug on Shopee e-commerce platform. Sep. 2019