CHING-YUN YU

Cloud Infrastructure | Liquid Cooling | Software Development

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EXPERIENCE

System Engineer
AMAX Engineering

📅 Jul 2024 – Ongoing 📍 Fremont, CA

- Developed automation scripts to streamline repetitive tasks
- Conducted system functionality verification tests on rack-scale liquid cooling solutions

QA Test Contractor
Pentium Network

📅 Jul 2020 – Nov 2020 📍 Taipei, TW

- Designed and executed comprehensive test cases and test scenarios
- Configured cloud resources such as DNS, CDN, and instances on various cloud platforms

Backend Engineer
Chairsla Technology

📅 Jul 2019 – Jan 2020 📍 Taipei, TW

- Performed application deployment and database restoration on AWS
- Built backend services for chatbots, focusing on usability and scalability

Software Intern
Galaxy Software Services

📅 Jul 2018 – Jun 2019 📍 Taipei, TW

- Participated in full-stack development efforts to build a CRM system
- Worked in a Scrum environment that included task planning, daily standups, code reviews, and unit testing

PUBLICATIONS

📄 Journal Articles

- **C.-Y. Yu** *et al.*, "Predicting quantity of cannabis smoked in daily life: An exploratory study using machine learning," *Drug and Alcohol Dependence*, vol. 252, p. 110 964, Nov. 2023. DOI: 10.1016/j.drugalcdep.2023.110964.

👥 Conference Papers

- **C.-Y. Yu** *et al.*, "Developing an augmented reality-based interactive learning system with real-time location and motion tracking," in *International Conference on HCI*, Jun. 2023, pp. 227–238. DOI: 10.1007/978-3-031-34550-0_16.
- **C.-Y. Yu**, Y. Shang, and T. J. Trull, "Reproducible workflows for exploring and modeling ema data," in *IEEE 8th International Conference on Collaboration and Internet Computing (CIC)*, Dec. 2022, pp. 117–124. DOI: 10.1109/cic56439.2022.00026.

EDUCATION

M.S. in Computer Science
University of Missouri—Columbia

📅 Jan 2022 – May 2024

B.S. in Computer Science & Information Engineering
National Taipei University of Technology

📅 Sep 2016 – Jun 2020

CERTIFICATION

🏆 **LPI Linux Essentials**
lpi.org/v/LPI000614810/rw3lwkuymh

SKILLS

Python · C# · C++ · Java · Shell Script · HTML · CSS · JavaScript · Unity

MySQL · SQLite · PostgreSQL · Db2 · MongoDB · Firebase · Neo4j · Redis

AWS · GCP · Azure · Nutanix · NS1 · VMware · GoDaddy · CloudFlare

Git · Bitbucket · TortoiseSVN · Jira · Trello · Docker · Jenkins · Hadoop

.NET · Node.js · Robot Framework

LANGUAGES

Mandarin ●●●●●
English   ●●●●○
Korean   ●○○○○

REFEREE

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