

CHING-YUN YU

NVIDIA-Certified AI Infrastructure & Operations Associate

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EXPERIENCE

System Engineer

AMAX Engineering

📅 Jul 2024 – Ongoing 📍 Fremont, CA

- Conducted functionality testing on 100+ rack-scale liquid cooling systems, supporting the on-time delivery of HPC infrastructure
- Developed automation scripts to streamline system deployment and log collection, saving over 40% of manual setup time per rack
- Diagnosed recurring hardware/software issues on compute nodes, reducing retesting cycles through targeted root cause fixes

Graduate Research Assistant

University of Missouri

📅 Jun 2022 – May 2023, Jan – May 2024 📍 Columbia, MO

- Created an AR learning system with motion capture and eye-tracking, leading to extended sponsorship from the National Science Foundation
- Developed machine learning workflows to analyze 10K+ EMA data points, enabling reproducible results through customized pipelines
- Built predictive models for cannabis use based on behavioral features, which hold unique promise for data-driven intervention strategies

Backend Engineer

Chairsla Technology

📅 Jul 2019 – Jan 2020 📍 Taipei, TW

Cloud Division Intern

Galaxy Software Services

📅 Jul 2018 – Jun 2019 📍 Taipei, TW

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

CERTIFICATIONS

🏆 **Nvidia: AI Infrastructure & Operations**
credly.com/badges/0c8c05f0-1921-4c94-a4e9-83039fed0b2d

💓 **Google: IT Support Certificate**
credly.com/badges/8ca25fb3-9244-4f48-ada3-0bbdce5520ca

📊 **LPI: Linux Essentials Certificate**
credly.com/badges/1849f9bc-2c27-4838-8b7c-7952abdda92b

STRENGTHS

- Detail-Oriented
- Hard-Working
- Collaborative
- Strategic Thinker
- Software Development
- System Validation
- Cloud Operations
- Database Administration

LANGUAGES

Mandarin	Native
English	Professional
Korean	Limited

FREELANCE

QA Test Contractor

Pentium Network

📅 Jul 2020 – Nov 2020 📍 Taipei, TW

- Designed and executed comprehensive test cases and scenarios for web applications
- Configured cloud resources such as DNS, CDN, and instances on various cloud platforms
- Collaborated with cross-functional teams to reproduce issues identified during testing