

Chieh-Lee Hung

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Work Experience

Cyber Security Software Engineer

May 2023 – Present

Institute for Information Industry, Cyber Security Technology Institute, Taiwan

- **EDR Platform Features:** Designed and implemented secure agent and server authentication and communication components in C++, including key management, update mechanisms, and an active response framework, ensuring robust protection across 200+ endpoints.
- **Team Leadership:** Led a 4-person team to create a configuration assessment tool with a domain-specific scripting language, automating configuration and log audits and contributing to the 2024 ASOCIO DX Award (Cybersecurity Category).
- **Mentorship:** Mentored an intern, guiding them to 1st place (out of 12) in the 2024 Summer Internship Project Competition.
- **Performance Recognition:** Ranked in the Top 10% among 1,800 employees in the 2024 Annual Performance Evaluation.

Research Software Engineer

Feb. 2022 – May 2023

Commerce Development Research Institute, Smart Technology Service Center, Taiwan

- **Real-time Drone Communication Middleware:** Led a 3-person PoC project to develop a C++ middleware library for real-time drone communication using the DDS protocol. Optimized performance reduced latency by 30% and increased bandwidth by 150%, facilitating seamless integration for developers. (Featured in Commercial Times.)
- **Performance Recognition:** Ranked in the Top 10% among 200 researchers in the 2022 Annual Performance Evaluation.

Software Engineer

Oct. 2021 – Feb. 2022

WeJump, Taiwan

- **IoT Connectivity Middleware:** Developed a cross-platform C# library extending the MQTT protocol for IoT applications, providing a robust integration layer for other developers and successfully deployed across approximately 50 XR embedded devices.

Education

B.S. in Information and Computer Engineering

Sep. 2017 – Jun. 2021

Department of Information and Computer Engineering, Chung Yuan Christian University, Taiwan

- Overall GPA: 3.52 / 4.0

Skills

Programming Languages: C/C++, C#, Python, Verilog

Networking & Protocols: MQTT, DDS, TCP/UDP, TLS, HTTPS, Socket Programming

Tools & Debugging: GDB, Wireshark, Visual Studio, Git

English: IELTS 6.5 (Reading: 7, Listening: 7, Writing: 6, Speaking: 6.5)

Academic Experience

Lecturer, Computer Attacks and Defense

Spring 2024

Institute of Information Security, National Tsing Hua University

- Co-designed and lectured on **cybersecurity techniques** and **defense mechanisms**, focusing on *endpoint protection* tools.

Publications

- Hung, C.-L., & Wang, S.-H. (2024, December).** *AI empowerment and challenges in the evolution of SOC strategies*. Electrical and Communication Engineering Quarterly (The Chinese Institute of Electrical Engineering, Taiwan). (Forthcoming).
- Hung, C.-L., & Wang, S.-H. (2024, June).** *XDR core analysis and AI empowerment: Intelligent innovation and future prospects in cybersecurity defense*. Electrical and Communication Engineering Quarterly (The Chinese Institute of Electrical Engineering, Taiwan).

Certifications

- ISO/IEC 42001:2023 Lead Auditor (Artificial Intelligence Management Systems)** – Nov. 2024, TCIC Global Certification Ltd.
- ISO/IEC 27001:2022 Lead Auditor (Information Security Management Systems)** – Jul. 2024, British Standards Institution (BSI), Taiwan.
- Certified Secure Software Development Life Cycle (SSDLC) Engineer** – Apr. 2024, Institute for Information Industry, Taiwan.

Awards

- 2024 Cybersecurity Institute Leadership Award – Individual Excellence** One of two recipients recognized for mentoring an intern to 1st place and innovating an LLM-powered scripting tool that boosted script efficiency by 16x.
- Winner, ASOCIO DX Award, Cybersecurity Category (2024)** Contributed to an award-winning cybersecurity solution by leading the development of a compliance audit tool for 5GC log analysis.
- Best Popularity Award, Graduation Project Competition (2020)** Led a 3-person team to develop an autonomous key borrowing system using FaceNet for facial recognition and ResNet50 (Keras), receiving top votes from audience and faculty.
- Outstanding Award, Autonomy and Comprehensive Categories (2020)** Awarded to the student association for excellence in administrative management and leadership (Ministry of Education, Taiwan – National Club Evaluation).
- First Place, Educational Counseling Category (2020)** Recognized in the Chung Yuan Christian University Holistic Care Award for initiatives in educational counseling and holistic care.
- First Place, Comprehensive Category (2020)** Awarded by the Chung Yuan Christian University Club Evaluation for significant contributions to student life and activities.

Extracurricular Activities

- General Secretary (2019–2020)** Department of Information and Computer Engineering Association, Chung Yuan Christian University. Managed administrative processes and co-led a 20-person team.
- Audio-Visual Team Leader (2018–2020)** Taiwan Special Needs Family Camp (Annual Event for Three Summers). Led a 10-person media team, documented events, and produced highlight videos.
- Volunteer Team Leader (Feb. 2020)** UCT Special Education Center, Kuala Lumpur, Malaysia. Managed a 4-person team during a three-week volunteer program.
- Volunteer Team Leader (Feb. 2019)** Special Education Center, Penang, Malaysia. Managed a 4-person team during a three-week volunteer program.