

ZI-YU CHIANG

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EDUCATION

Northeastern University (NEU) Master of Science in Computer Science	San Jose, CA Sep. 2025-June 2027
National Chung Cheng University (CCU) Bachelor of Business Administration, minor in Computer Science	Chiayi, Taiwan Sep. 2017-June 2021
● GPA: 3.47/4.3	
● Relevant coursework: Program Design, Operation System, Computer Organization, Data Structure...etc.	
Chung-Ang University Exchange Program	Seoul, South Korea July 2018-Sep. 2018

EXPERIENCE

American Megatrends International LLC (AMI) Bios Engineer, Chipset Silicon Team	Taipei, Taiwan July 2021-June 2024
● Cooperated with cross-functional teams to resolve compatibility issues and ensure stable and reliable system performance, enabling the system to successfully pass Windows Hardware Lab Kit (HLK) testing	
● Implemented OOR and RAS on the server platform for anomaly detection and resolved device errors	
● Created technical guides on development, debugging, and testing for clients	
● Represent the company at conferences and industry events, such as Intel Innovation Taipei	
Dortex Intern	Tainan, Taiwan Sep. 2019-Jan. 2020
● Used web spider and Tableau to analyze product data and optimized the pricing strategy, which reduced prices by 7%	

PROJECTS & COMPETITIONS

E5 High-End Server Project: "Intel Fishhawk Refresh WorkStation," AMI, Apr. 2023- June 2024
● Created server function "OOR" on the platform to handle excessive memories or resource requests and prevent server hangs during system boot
● Worked with partner companies (Intel, Foxconn, SMCI) to develop silicon features like "MOR," "Top Swap," and so on
● Scheduled the platform layout to optimize server performance and streamline platform internal resource usage
E3 Entry Server Project: "Intel Greenlow Refresh Server," AMI, July 2021-Mar. 2023
● Cooperated with Intel to address more than 50 platform vulnerabilities and security issues
● Ensured the server's functionality and assisted customers in resolving issues, such as data loss during system updates
Machine Learning for Esophageal Cancer Classification, Machine Learning with Python, CCU, Feb.-June 2020
● Developed machine learning models using scikit-learn and TensorFlow to classify esophageal cancer images, achieving an accuracy of 83%
Honorable Mention, Intercollegiate Programming Competition, CCU, June 2019
● Solved adequate quantity problems using C and Python in a timed competition

EXTRACURRICULAR ACTIVITIES

Volunteer, Taipei Hometown Service Volunteer Program, Feb. 2018
● Planned and achieved educational winter camp for children in remote areas of Keelung
Authored tutorial articles on Medium
● Wrote two beginner-level tutorial articles in Chinese about the basic knowledge of the BIOS and UEFI framework, collectively achieving nearly 10,000 views

SKILLS, CEERTIFICATES

iPAS basic Big Data Analytics Certificate, Ministry of Economic Affairs, R.O.C., June 2019
Programming: C, C++, SQL, Python, Java
Language: Mandarin (native), English (fluent)