Zherong QIAN

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EDUCATIONAL BACKGROUND

University of Sydney (USYD), NSW *, Australia* Feb 2025 – Jun 2026

M.P.E. in Electrical Engineering (Internet of Things)

- Core Modules: Mobile Networks, IoT Wireless Sensing and Networking, Software Defined Networks, IoT for Critical Infrastructures.

University of Idaho (UI), *ID, United States* Aug 2023 – May 2024

B.S. in Computer Science

- Core Modules: CS Senior Capstone Design, Computer Science Resources, Engineering Design, Database Systems, Contemporary Issue in CS, Python Program/Data Science, Compiler Design.

Wenzheng College of Soochow University (WCSU), *Jiangsu, China* Sep 2020 – Jul 2024

B.E. in Internet of Things Engineering

- Core Modules: C Language Program Design, C++ Program Design, Python Programming, RFID and Sensor Technology, Programming Languages, Probability and Statistics, Sensor Network, Computer Communication and Network, Software Engineering, Analysis of Algorithms.
- Honors: The Third-level Comprehensive Scholarship (2020/2021 Academic Year, 2021/2022 Academic Year)

WORK EXPERIENCES

Microsoft Project, Outsourced via Weisaisi Technology Service Co., Ltd., Xi' an/Suzhou, China

Software Test Engineer Aug 2024 – Jan 2025

- Conducted driver, component, and system-level testing for Microsoft projects.
- Designed and executed test plans, test cases, and created English test reports.
- Performed debugging, troubleshooting, and regression testing for Windows and Android platforms.
- Utilized CTS, Windows Verifier, and Android validation tools.
- Applied programming and scripting skills in Python, C#, and PowerShell to support automated testing.

INTERNSHIP EXPERIENCES

Yi Cheng Rong Chuang Information Technology Co., Ltd*, Jiangsu, China* Jul 2023

Research Assistant

- Participated in the research project: Intelligent Agriculture-How to Use IOT Technology to Improve the Efficiency and Quality of Agricultural Production.
- Installed the temperature and humidity sensor equipment in the agricultural production environment, used ESP node32S motherboard and serial to 485 temperature and humidity sensor hardware equipment and open-source software tools, including Arduino IDE and Mosquitto, to monitor the temperature and humidity in real-time to ensure that the environmental state was suitable for the growth of crops. Used statistical software and programming languages like Python and R to analyze and process all the research data. Finally, provided exact temperature and humidity data and scalability system support for intelligent agricultural management.

Wujiang Yilina Weaving Co., Ltd*, Jiangsu, China* Summer 2022

Intern of the Network Department

- Received intensive training on website construction and maintenance.
- Assisted network operations manager in website maintenance including content updates, performance monitoring and optimization,
- construction, page improvement, content optimization, and keyword screening.

Anhui Liuyuan New Material Technology Co., Ltd*, Anhui, China* Summer 2021

Intern of the Administration Department

- Handled daily administrative work, including data collection, review and filing;
- Assisted in recruitment by screening resume, scheduling interviews and collecting interview information.
- Coordinated new employee training, recorded employees' performance, collected questionnaires, and prepared the final training report draft.

SKILLS

Programming Languages: Python, C, C++

Tools & Platforms: MATLAB, Arduino, STM32, Mininet

Networking & IoT: TCP/IP, Wireless Sensor Networks, SDN (Software Defined Networking)