KUAN LU

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EDUCATION INFORMATION

Master of Information Technology (WAM: Distinction)   2024.02 - now
University of New South Wales
Course: Software Construction, Web Front-End Programming, data engineering

Bachelor of Science in Computer Science   2018.08-2023.07
Xian Jiao Tong University
Course: Principles of Programming, Computer Networks, Operating System, Database System, Data Structure and Algorithms, Computer Organization, Circuits, Digital Logic Circuit, Analog Electronics, Artificial Intelligence

EXPERTISE

- Programming Language: Python, C/C++, JavaScript, React, Shell, SQL
- Skills: Git, CI/CD, AWS, Docker, Distributed System, AI/ML

PROJECTS

Coursework Project, Web Front-end Programming   2024.11-2024.12
Slido (Inspire by slides.com)
- Developed a web application using React as the front-end architecture, implementing key features of slides.com.
- Designed and implemented a dashboard allowing users to create custom slides, build-in element including text, images, and code section.
- Proficient in HTML, CSS, JavaScript, and React hooks.

Coursework Project, Python   2024.05-2023.06
Grip (Git Reimplement in Python)
- Simulating the exact same behavior for Git version control tool and implement it by Python.
- Those features are add, commit -a -m, log, status, rm, show, branch, checkout.
- Promising the robustness by writing our own unit test during the entire development.

Coursework Project, Bash   2024.04-2023.05
Give (Assignments Auto-marking Script)
- Implement our own version of auto-marking script by observe the feature of the existing CSE application.
- Final application includes add, fetch, submit, rm, status, summary, auto-test (for student), auto-mark (for tutor).
- Promising the robustness by writing our own unit test during the entire development.

Graduate Thesis, AI/ML   2022.09-2023.06
Border anomaly target monitoring system based on multimodal learning
- Using Transformer and Yolov5 technology to fuse infrared and visible light modes to monitor abnormal targets at the border
- Independently develop the alarm system, this system includes remote monitoring system, image transmission system, storage system, display alarm system, security login system, etc.

INTERNSHIPS

Product Application intern, Global Support Team, FULL-TIME   2022.11-2023.06
AMD   Shanghai, China
- Working for AMD sales support team, collecting and analyze customers' issue.
- Provide a workable solution for the customers on our official forum.
- Complete other projects which my supervisor assigned (embedded system).

COMPETITION & CERTIFICATE

- AWS Certificate Cloud Partitioner   2025.01
- AWS Certificate Solution Architect Associate   2024.02
- ICPC South Pacific Set B   2024.08
- Coding Rumble Contest, 3rd Place   2024.03