

Yuhang Lian

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Base: Dublin, Ireland

EDUCATION

University College Dublin, Ireland | Master of Science in Computer Science

Sept. 2023 - Present

- Anticipated Graduation: Sept 2025
- Relevant Courses: Full-Stack Development, Computer Networks, Cloud Computing, Python, Docker, Kubernetes, DevOps, Data Analysis, Algorithm Design, Linux Systems, Agile Methodologies.

Jiangsu University, China | Bachelor of Marketing

Sept. 2018 - Jun. 2022

- GPA: 87.60/100.00 | Ranking: 5/35.

SKILLS

Technical Skills:

- Backend Development: Python, Java, SQL, PostgreSQL, MySQL
- Frontend Development: JavaScript (React), HTML, CSS, UI/UX, Typescript
- Cloud & Infrastructure: AWS (EC2, RDS, S3), Azure, Docker, Kubernetes, CI/CD Pipelines
- Network: UNIX, TCP/IP, network fundamentals
- DevOps & Tools: Git, GitHub, Jira, Agile (Scrum), IDEs, Debuggers.

Languages:

- Chinese (Native), English.

WORK EXPERIENCE

NIO | Front-End Intern

Aug. 2022 - Feb. 2023

- Built and enhanced web application features using HTML, CSS, JavaScript, and React to improve user experience and meet evolving business needs.
- Collaborated with backend developers to integrate front-end features with APIs, handling data for dashboards, user notifications, and artifact management.
- Focused on UI adjustments, component-based layouts, and improved app performance with optimized loading strategies.

PROJECT EXPERIENCE

Intelligent Location Recommendation System for Street Food Vendors

May. 2024 - Jul. 2024

- Spearheaded development of a Django-based intelligent location recommendation system with React front-end, deployed on Azure.
- Integrated real-time data streams, predicting human traffic patterns using PostgreSQL for location insights.
- Took ownership of feature development and ensured high-quality delivery through Agile methodologies (Scrum).
- GitHub link: https://COMP47360@dev.azure.com/COMP47360/Research%20Practicum/_git/ResearchPracticum

Dublin Bike

Jan. 2024 - Apr. 2024

- Led the development of a full-stack web application using JavaScript and Flask, providing users with real-time bike station availability based on geolocation services and integrated real-time weather data.
- Designed and deployed a scalable backend using AWS EC2 and RDS.
- Conducting code reviews and ensuring smooth team collaboration using Git.
- GitHub link: <https://github.com/PYevan/DublinBike-evan.git> Or: <https://github.com/shalineraghupathy/Software-Engineering.git>

Shared Mobility Adventure Game

Jan. 2024 - Apr. 2024

- Developed a Java-based educational game called "Shared Mobility Adventure," aimed at teaching students about shared mobility and its environmental impact through strategic transportation choices.
- Set in a virtual city, players must choose eco-friendly transportation options within a specified time to collect gems and minimize carbon emissions while progressing through various levels. Each transportation choice affects the player's carbon footprint and game progression, simulating the real-world consequences of travel decisions.
- GitHub link: <https://github.com/PYevan/evan-java-game.git>