

JIN KUAN MOO

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Summary

A UCD Computer Science Master proficient in **Chinese Mandarin, English, and Malay**. **Full stack** development experience in several languages as well as **Agile** methodology. Great networking (**TCP/IP**), **distributed systems**, **database**, **OS**, **container**, and **cloud** knowledge. Currently working as a freelance web designer and frontend developer. Previously worked as a manager in Ireland, leading a team of 20 engaged in daily production. Volunteered in Code in Place hosted by Stanford University, delivering online Python lessons to a group of 15 students. Great team player with decent communication skills.

Education

University College Dublin MSc Computer Science; GPA:3.82 (First Class Honours)	Dublin, Ireland Sep 2022 – Dec 2023
Cornell University Exchange Programme; GPA:3.87 (First Class Honours)	New York, United States Aug 2019 – Dec 2019
University College Dublin BSc Food Science; GPA:3.77 (First Class Honours)	Dublin, Ireland Sep 2017 – Jun 2021

Experience

Freelancer Web designer/Frontend developer <ul style="list-style-type: none">• Designing personal/commercial website for customers• Experience in WordPress, Domain & Email Hosting, HTML/CSS, JavaScript	Dublin, Ireland Sep 2023 – Now
Stanford University Python Tutor <ul style="list-style-type: none">• Participating in Code in Place, an online introductory coding course• Conducting weekly lessons for a cohort of 15 students• Teaching topics including Python, Animations, Console Programming, Graphic Programming etc.	Dublin, Ireland Apr 2023 – Jun 2023
Krispy Kreme Manufacturing Manager <ul style="list-style-type: none">• Managing a 20-member team for daily production operations• Ensuring adherence to safety protocols, HACCP principles, and legal regulations• Maintaining accurate inventory control, yield records, and traceability documents	Kildare, Ireland Sep 2021 – Jun 2022

Projects

Afterparty (Backend Developer) an event impact analysis tool which provides insights into how the busyness of urban areas are impacted by large-scale event. <ul style="list-style-type: none">• Utilized React.js, Mapbox GL.js, and Figma for the frontend development• Implemented the backend with Node.js, Express.js, Flask, and Apache• Developed prediction models using Random Forest and XGBoost
Dublin Bikes (Full-Stack Developer) a web application providing real-time information and journey planning for bike-sharing services. <ul style="list-style-type: none">• Utilized Vanilla JS, HTML, CSS, and Google Maps API for frontend development• Implemented the backend with Flask, MySQL, AWS EC2, AWS RDS, Gunicorn, Nginx• Developed prediction models using Linear Regression
Asteroids (Frontend Developer) a classic arcade video game which player controls a spaceship in an asteroid field to destroy incoming asteroids. <ul style="list-style-type: none">• Developed using Java• Used JavaFX as the GUI framework

Technical Skills

- Programming languages: Python, JavaScript, Java, Ruby, HTML, CSS, TypeScript, Spring Boot, Bash, Astra
- Frameworks: React.js, Flask, Express.js, JavaFX, Pygame
- Database: MySQL, AWS RDS, NoSQL, MongoDB
- OS: Linux, Windows
- Tools: Jupyter Notebook , Microsoft Office, WordPress
- DevOps: Jenkins, GitHub, Unit Testing, Apache Maven
- Cloud: AWS, GCP, Docker, Kubernetes
- Distributed Systems: MapReduce, Hadoop, HDFS , Spark, Rest, RMI, RabbitMQ, Web Services
- Machine Learning: Linear Regression, Logistic Regression, Random Forest, XGBoost, KNN, Scikit-learn
- Others: Data Structures and Algorithms, Networking (TCP/IP), OOP, CI/CD

Honours

- UCD Global Southeast Excellent Scholarship
- UCD Food Science Scholarship
- Kepak Best in Class Award