

# JIN KUAN MOO

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## Summary

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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**), OS (**Windows, Linux**) and **machine learning** knowledge. Previously worked as a manufacturing manager, 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. An excellent team player with great team management and communications skills.

## Education

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### University College Dublin

MSc Computer Science; GPA:3.82

Dublin, Ireland

Sep 2022 – Dec 2023

### University College Dublin

BSc Food Science; GPA:3.77

Dublin, Ireland

Sep 2017 – Jun 2021

## Experience

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### Stanford University

Section Leader

Dublin, Ireland

Apr 2023 – Jun 2023

- 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.

### Krispy Kreme

Manufacturing Manager

Kildare, Ireland

Sep 2021 – Jun 2022

- 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

## Projects

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### Afterparty

an event impact analysis tool which provides insights into how the busyness of urban areas are impacted by large-scale event.

- 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

a web application providing real-time information and journey planning for bike-sharing services.

- Utilized Vanilla JS, HTML, CSS, and Google Maps API for frontend development
- Implemented the backend with Flask, MySQL, AWS EC2, AWS RDS, Unicorn, Nginx
- Developed prediction models using Linear Regression

### Asteroids

a classic arcade video game which player controls a spaceship in an asteroid field to destroy incoming asteroids.

- Developed using Java
- Used JavaFX as the GUI framework

## Technical Skills

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- Programming languages: Python, JavaScript, Java, HTML, CSS, C++, TypeScript
- Frameworks: React.js, Flask, Express.js, JavaFX, Pygame
- Database: MySQL, AWS RDS
- OS: Linux, Windows, AWS EC2
- Tools: VSCode, Jupyter Notebook, Eclipse, GitHub, scikit-learn, Scene Builder, Microsoft Office, GCP, AWS
- Machine Learning: Linear Regression, Logistic Regression, Random Forest, XGBoost, KNN
- Others: Data Structures and Algorithms, Object-Oriented Programming, Networking (TCP/IP)