

# 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**), **distributed systems**, **database**, **OS**, **container**, and **cloud** knowledge. Currently working as a freelance web designer and frontend developer. Previously worked as a 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. Have more than 3 years of investing and trading experience with decent financial knowledge.

## Education

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

## Experience

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

## Projects

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

## Technical Skills

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- Programming languages: Python, JavaScript, Java, Ruby, HTML, CSS, TypeScript, Object-oriented, 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, Spark, Rest, RMI, Middleware, Web Services
- Machine Learning: Linear Regression, Logistic Regression, Random Forest, XGBoost, KNN, Scikit-learn
- Others: Data Structures and Algorithms, Networking (TCP/IP)

## Honours

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