Derrick Lee Kuok Wei

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EDUCATION

University of Wollongong (UOW)   Apr 2022 – Apr 2024
Bachelor of Computer Science (Big Data and Digital System Security)
Graduate Distinction (Highest Award)
• Applied Machine Learning libraries in classification projects for versatile model implementation.
• Executed complex data manipulation tasks using MySQL to refine and transform extensive datasets.
• Proficient in team management across diverse software development projects.

PROJECT

UOW Final Year Project – Network Defender 3D FPOV Game   Jun 2023 – Dec 2023
Hybrid Creative & Cyber Security Education Curator
• Co-developed a game designed to enhance literacy in cybersecurity tools among working professionals.
• Bridged theory and practice with Linux simulated content, achieving 80% completion rate among non-IT testers.
• Designed 3D prototypes to streamline development, achieving 100% on-time task delivery using Kanban.

Web Development Project – Café Management System   Oct 2023 – Dec 2023
Product Owner, Scrum Master (Agile)
• Directed a web development project to improve café management system and resolve staffing issues.
• Established strong product backbone by prioritizing the development of important backlog items.
• Conducted frequent standup meetings to resolve impediments, ensuring 100% successful sprint deliveries.

Full Stack Data Mining Project – Credit Risk Analysis   Jun 2023 - Jul 2023
Project Leader, Data Scientist (Scikit-Learn)
• Led a data mining project to predict potential loan defaults and reduce bank's losses using Scikit-Learn library.
• Optimized successful predictions by training ML models such as XG-Boost and Random Forest.
• Both models achieved over 90% accuracy in classification task with proof of little overfitting.

WORK EXPERIENCE

Future Ready Academy   May 2024 – Current
Freelance Technology Educator
• Conducted workshops in NUS and NTU for large group of exchange students on robotics and artificial intelligence.
• Engaged foreign students with live demonstrations to support 100% tasks completion despite language barrier.

Champ Code Academy   Jun 2021 – Jul 2023
Part Time Coding Instructor
• Guided small classes of students in building their python fundamentals through mini game projects.
• Customized objectives for slower learners to ensure 100% comprehension of basic programming concepts.

CPM Singapore   Jan 2021 – Apr 2021
Project Management Intern
• Bridged communications between developers and other stakeholders by conveying IT concepts in layman terms.
• Supported cost reduction strategy by identifying potential 50% subsidies available through Enterprise Singapore.

AWARD / CERTIFICATION

IBM Data Science Professional Certificate | Coursera   Apr 2024
• Mastered data science fundamentals and reinforced proficiency in executing full-stack data mining projects.
• Excelled in the capstone project, crucial for obtaining the professional certification, achieving a final score of 100%

SKILLS

• Languages: Proficient in English and Chinese
• Soft Skill: Driven Learner, Critical Thinker, Effective Communicator
• Programming: C++, Python, Java, SQL,
• Data Science: Matplotlib, Scikit-Learn, Spark, TensorFlow, Hadoop, ETL

ACTIVITIES

Fencing Club   Jun 2022 – Present
Executive Committee Member
• Represented university in open competitions and organized bonding events for fencers to foster camaraderie.

Google AI Hackathon 2024   Apr 2024 – Apr 2024
Android Developer
• Acquired the ability to integrate Gemini API into applications to support a personal project on smart applications.