

Derrick Lee Kuok Wei

☎ 91138462 | ✉ kuokweilee@gmail.com | 🌐 <https://derrickcodes.netlify.app/> | 🔄 <https://github.com/CREATI38>

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

Jun 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.