George Yu
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EDUCATION

2024   **University of Adelaide**
Master of Computing and Innovation
GPA: 6.3 / 7.0
Global Citizens Scholarship

2022   **University of Melbourne**
Bachelor of Science, Major in Data Science
WAM: 82
First Class Honours H1

EMPLOYMENT

2021 - Present   **Private Database Tutor**
CPU Education
- Implemented physical database models using MySQL and optimized complex analytical queries
- Applied SQL to solve complex analytical queries efficiently
- Developed a strong understanding of Data Warehouse, distributed databases and NoSQL
- Guided 50+ students per semester in database design, SQL, and data warehousing, with 30% achieving H1 grades

2023 - 2023   **Machine Learning Engineer Intern**
Think Digital Studios
- Built and deployed a computer vision pipeline on Microsoft Azure for cattle disease classification
- Achieved 90%+ model accuracy and improved robustness against false negatives
- Skills Gained: Microsoft Azure VM, Pytorch Lightning and Hydra, Deep Learning

RELEVANT PROJECT WORK

2024 - 2024   University of Adelaide
Service Booking Web Application
- Created a MySQL database with schema design (ER Model), CRUD operations, and data integration to handle service data efficiently
- Designed a responsive React-based interface with interactive elements and real-time updates, enhancing user engagement
- Built RESTful APIs to ensure robust server-side logic and seamless front-end-to-database communication
- Wrote unit testing and integration testing using Jest testing framework
- Tech Stack: MySQL, React, Nodejs and Javascript, Git

2024 - 2024   University of Melbourne
Exercise Tracker Web Application
- Designed a responsive, user-friendly interface with an interactive dashboard allows users to easily track, update, and visualize exercise data
- Developed and implemented RESTful APIs to handle CRUD operations, allowing users to store and manage exercise records efficiently
- Recorded exercise data in MongoDB, ensuring scalability and fast retrieval of user information
- Collaborated with a version control system (Git) for source code management, ensuring smooth collaboration and code versioning throughout development process
- Tech Stack: mongoDB, React, Nodejs and Javascript, Git

TECHNICAL SKILLS

- Programming Language: SQL, Python, JavaScript, C++, Java
- Skills: Software Engineering, Web Development, Machine Learning, Data Analysis

PROFESSIONAL CERTIFICATIONS

- AWS Certified Cloud Practitioner