

George Yu

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EDUCATION

2023 - 2024

University of Adelaide

Master of Computing and Innovation, Major in Computer Science
GPA: 6.3 / 7.0
Global Citizens Scholarship

2020 - 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 Typescript, Git

2024 - 2024

University of Melbourne

Exercise Tracker Web Application

- Implemented Context API and React Hooks to centralize state management across multiple components, improving code organization and maintaining secure states for frontend routes
- Configured Google OAuth2.0 via Passport to integrate third-party authentication, simplifying sign-in process and enhancing overall user experience
- Implemented JWT authentication to secure user data and protected both React components and backend routes through token-based authorization
- Tested endpoints with Postman to validate API reliability and data flow, ensuring consistent functionality across different environment
- 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