TERENCE ZHANG

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SUMMARY

I am a Bachelor of Science (Honours) graduate in Computer Science from the University of Auckland. I have a strong passion for problem-solving and am always ready for an intellectual challenge. I enjoy tackling complex problems and finding innovative solutions that effectively address them. With a keen eye for detail, I strive for excellence in my work, ensuring that every aspect meets the highest quality standards.

EDUCATION

BSc(Hons) Computer Science February 2024 - November 2024
University of Auckland GPA: 8.325 / 9.0

Relevant Coursework: Machine Learning, Artificial Intelligence, Cryptography, Data Communications, Network Cybersecurity
Awards: First in Course Award (Advanced Internet: Global Data Communications), University of Auckland Postgraduate Honours/PG Scholarship

BSc Computer Science February 2021 - November 2023
University of Auckland GPA: 8.041 / 9.0

Relevant Coursework: Databases, Operating Systems, Cybersecurity, Data Communications Technology, Object Oriented Programming, Algorithms and Data Structures
Awards: First in Course Award (Principles of Programming & Cyber Security), Summer Research Scholarship

SKILLS

Soft Skills: Problem Solving, Teamwork, Time Management, Presentation Skills, Adaptability
Tools: Git, GitHub, Jira, Postman, Visual Studio Code
Programming: Python, HTML, CSS, JavaScript, TypeScript, React, Tailwind CSS, Redux, SQL, Node.js, Express.js, MongoDB

WORK EXPERIENCE

University of Auckland, Auckland, New Zealand: Teaching Assistant February 2023 - February 2025

- Assisted teaching teams in the following first and second-year computer science courses related to computer systems, and algorithms and data structures.
- Marked assignments and essays and provided detailed feedback, highlighting where marks were lost and ways to improve.

University of Auckland, Auckland, New Zealand: Research Assistant November 2023 - February 2024

- Produced an in-depth report detailing how university students can use generative AI ethically and practically and designed guidelines for students to follow to be incorporated into university courses.
- Conducted thorough research on critical generative AI and education areas, including bias, hallucinations, and prompt engineering.

PROJECTS

Adversarial Insight ML
Collaborated in a team of five to design and implement a Python package to gauge a machine learning model's resistance to adversarial attacks.

- Co-lead a team to develop
- Helped develop a team schedule using Jira based on the agile project management methodology.
- Designed and implemented features relating to image normalisation/denormalisation and surrogate modelling using the PyTorch and TensorBoard libraries.