



Chaoran Zhao

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CAREER PROFILE

- Final year Master of Information Technology student with a High Distinction average, showcasing strong academic performance and dedication to excellence
- Self-motivated and highly driven with a strong desire to learn and expand skill set, consistently seeking new opportunities for personal and professional growth
- Proven time management skills, effectively balancing commitments to meet deadlines and achieve desired outcomes
- Skilled in frontend development using JavaScript and ReactJS framework, with experience in completing full-stack projects using the Node or Python Flask for backend and MongoDB, Sqlite, postgreSql for database
- Developed team-working skills and problem-solving abilities in multiple engineering teams
- Developed team-working skills and problem-solving abilities through participation in multiple engineering teams, demonstrating the ability to collaborate and contribute effectively to achieve team goals
- Applied effective communication skills and developed leadership abilities in the badminton club, showcasing interpersonal skills and the ability to work in a team environment.

EDUCATION

Master of Information Technology | University of New South Wales

Sep 2021 – Jun 2023

- Achieved 86/100 WAM(GPA)
- Graduated with Excellence
- Received Australia's Global University Award PUCA1026

Bachelor of Engineering (Aerospace Engineering) | University of New South Wales

Aug 2017 – Aug 2021

- Achieved 84/100 WAM(GPA)
- Graduated with Honors Class 1
- Included in UNSW Engineering Dean's Honours List in 2019 and 2020 for strong academic performance

INTERNSHIP EXPERIENCE

CATIA Engineering Intern | Fawer Automotive Parts Limited Company

Dec 2020 – Feb 2021

- Applied CATIA skills to successfully complete various modelling tasks, contributing to the design and development of automotive parts.

Aerospace Engineer Intern | China Southern Airlines

Dec 2019 – Feb 2020

- Participated in an end-of-lease return aircraft inspection project, actively contributing to the Physical Inspection team and gaining valuable hands-on experience
- Took responsibility for nearly 20 parts exchanging work, ensuring compliance with industry regulations and accurately recording them on the aircraft lease return monitoring form

RELEVANT PROJECTS

Event Expenses Split Website | <https://billsplitweb.onrender.com/>

- Developed a full-stack web application using Sqlite, Python Flask, and Jinja as the stack.
- Implemented a feature that allows users to input multiple travel expenses for each event and automatically calculates and generates the split cost among group members, providing each person's share of the bill.
- Utilized Bootstrap for the user interface (UI) design, ensuring a responsive and visually appealing website

To-do List Website | <https://prismatic-gelato-bf9f2c.netlify.app/>

- Developed a full-stack web application using MongoDB, Express, React, and Node as the technology stack.
- Implemented complex state management across components using Redux, ensuring efficient handling of state changes.
- Designed the initial UI using Figma, ensuring a user-friendly and visually appealing interface.
- Implemented file upload functionality using Express and Multer, and solved cross-domain authentication using JWT for enhanced security.
- Implemented password encryption using Bcrypt, ensuring the protection of user data.

Portfolio Website | <https://chaoranzcr.com/>

- Frontend project implemented in React.js, showcasing skills in frontend development, state management, and API integration.
- Utilized Redux for complex state management across components, including implementing dark/light mode and language mode, providing a seamless user experience.
- Incorporated three.js library for modelling, enhancing the visual appeal and interactivity of the website.
- Leveraged external APIs to integrate fun and interactive features
- Achieved a responsive design to ensure a smooth user experience across different devices.
- Implemented continuous integration and deployment (CI/CD) practices, ensuring efficient and automated workflows for project development, testing, and deployment.

EXTRACURRICULAR ACTIVITIES

Coordinator | Badminton Club, Sydney

Jun 2018 – Dec 2021

- Organised weekly badminton events, badminton court hire, and managed events fees
- Connected other badminton associations with match holding
- Consulted with new members to ensure engaged in the events

Advisory Volunteer [UNSW Open Day] | University of New South Wales

Sept 2018 – Oct 2018

- Explained the various areas within mechanical aspect knowledge to guests
- Introduced facilities of School of Mechanical Engineering and answered questions

TECHNICAL SKILLS

- Proficient with Microsoft Office Suite
- Proficient with CAD tools: Solidworks, CATIA v5, with experience in 3D modeling, simulation, and design analysis.
- Fluent in English, with a high IELTS Test score of 7.5, demonstrating excellent communication and language skills.
- Proficient in JavaScript, CSS, HTML, and Python, utilizing them for web design, and data processing.
- Intermediate level proficiency in TypeScript, C++, and C, with experience in object-oriented programming, algorithms, and data structures.
- Proficient in frontend tools such as JQuery, Figma, MySQL, Git, MongoDB, ESLint, and Jinja, utilizing them for efficient development workflows, UI/UX design, and database management.
- Proficient in modern web development frameworks, including React, Redux, Node.js, TailwindCSS, and Material-UI, for building scalable and responsive web applications.
- Intermediate level proficiency in big data management frameworks, including Spark and Hadoop, with experience in data processing, analysis, and visualization.

REFEREES

Referees' name and contact details available upon request.