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ZHENGXING GU

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EDUCATION

Master of Information Technology   September 2021 - December 2023
University of New South Wales   Sydney, Australia
- Weighted Average Mark: 87.1 / 100
- Key Courses: Web Front-End Programming, Data Structures & Algorithms, Machine Learning & Data Mining, Computer Vision, Neural Networks and Deep Learning

Bachelor of Engineering   September 2017 - June 2021
Nanjing University of Science and Technology   Nanjing, China
- Major in Automation
- Weighted Average Mark: 87.05 / 100
- Key Courses: Optimization Theory & Application, Process Computer Control System, Embedded Control System & Application

WORK EXPERIENCE

Cyberlark Studio   Brisbane, Australia
Front-end Software Developer Intern (Remote)   March 2024 – Present
- Developing a CRM system to empower real estate professionals. The system consists of client management, property management, sales analytics, client notification system alongside other essential modules.
- Skills: Typescript, Redux, AWS

PROJECTS

Personal Website   January 2024
- **Project Description**: Developed a personal website using Next.js, Tailwind CSS, React, and deployed with Vercel and AWS Route 53. The website consists of personal introduction, project experiences, and contact me sessions. Responsive layout with Tailwind CSS ensures compatibility with both mobile and desktop devices. Link: https://www.zhengxing-gu.com/
- **Skills**: Next.js, Tailwind CSS, React

Online Learning Platform   September 2023 - November 2023
- **Project Description**: As the frontend leader of the group project, I was responsible for communication with the backend team as well as the task assignment and progress management within the frontend team. We built a full-stack online learning platform where teachers can edit their personal information and choose their class schedule, while students can find suitable teachers and schedule one-on-one sessions. Additionally, the platform has an online chat functionality, facilitating communication between teachers and students during non-class hours.
- **Skills**: React, Javascript, Ant Design library, Jira

Twitter Sentiment Analysis   June 2023 - August 2023
- **Project Description**: Compared different machine learning and deep learning algorithms for Twitter Sentiment Analysis on a Kaggle dataset. Bi-LSTM with Attention after LSTM using concatenated word vectors achieves an accuracy of 97.5%.
- **Skills**: Python, PyTorch, Machine Learning

A Lightweight Quiz Platform   April 2023
- **Project Description**: Completed the frontend design of an online Q&A website similar to Kahoot. Hosts can edit quizzes and invite other users to join the game. Participants can join a game by entering a unique game PIN.
- **Skills**: React, Javascript, Restful API

AWARDS AND CERTIFICATIONS

- AWS Certified Cloud Practitioner   February 2024
- First Prize in the China Robot Skills Competition   December 2019
- Second Prize in the Third National College Student Military Mathematical Contest in Modelling (China)   June 2019
- First-class Scholarship of Academic Excellence (Nanjing University of Science and Technology)   2018-2019
- First Prize in China International Aircraft Design Challenge   August 2018

SKILLS

- Programming Languages: Javascript, Typescript, Python, C/C++, PostgreSQL, HTML, CSS
- Libraries and Frameworks: React, Tailwind CSS, Redux, Material UI, Ant Design, PyTorch
- Tools and Platforms: Jira, GitHub, Git, AWS
- Languages: Mandarin (native), English (working proficiency)

EXTRACURRICULAR

UNSW New College Village Tennis Club (Club Admin)   September 2022 – December 2023