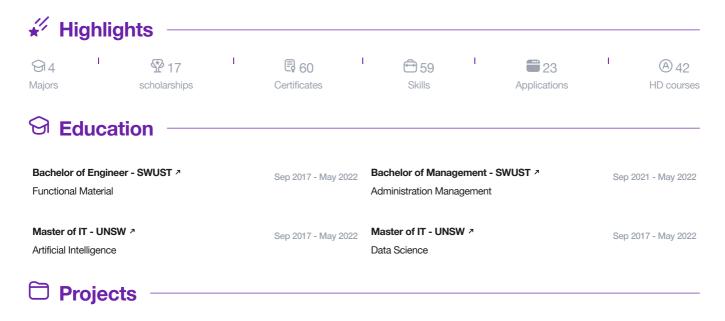
Xianzhe(Scott) Zhang

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Summary Summary Summary

Hello, I am Xianzhe, and just graduated from UNSW in May. I'm a full-stack developer with a strong computer science and engineering background. I am obsessed with front-end development and often stay up all night to develop websites (staying up late is not healthy, I am correcting it). I have a strong learning ability, can always quickly adapt to new technologies and new environments, and have a good team spirit. I'm looking for a software development job. Looking forward to your reply. This resume is rich in links. If you want to explore further, please click to explore more of my world.



Neo4j iGrapher (Graphical data code-zero analysis tool) 🤊

Feb 2024 - May 2024

Skill: Neo4j, JavaScript, React, D3, Tailwind, Framer Motion, Chrome DevTools, Figma Contribution:

▶ Interface and Interaction Design :

Independently designed and implemented 2 complex interfaces, 5 medium inferfaces and over 20 interaction logics, using Figma to enhance design efficiency by 30%, ensuring intuitive and smooth user experiences.

▶ Data Visualization Component Development :

Developed 25 fully customized React and D3.js data visualization components from scratch, enabling real-time graphical representation of complex data relationships.

▶ Animation and Visual Effects Design :

Designed and implemented over 40 UI animations and visual effects using Framer Motion and other animation libraries, boosting user interaction satisfaction by 80% and enhancing visual appeal. Optimized animation performance by 30% using Google performance analysis tools.

> Frontend-Backend Integration:

Led frontend operations, successfully conducted over 10 large-scale data integration tests with backend services, ensuring 99% system stability and data accuracy.

Advanced Explosive Materials Research

Sept 2017 - June 2021

Skill: Experimental Design, Theoretical Analysis, Laboratory Safety, Chemical Synthesis, Data Analysis, Project Management Contribution:

▶ Innovative Research and Development :

Independently conducted high-risk experiments with high energy and low sensitivity explosives (HMX / CL-20 / FOX-7) as part of a secretive national defense project. Demonstrated strong practical abilities from theoretical verification to experimental execution, ensuring innovative solutions under stringent safety protocols.

▶ Early Laboratory Engagement :

Proactively contacted and collaborated with mentors and research facilities, securing early access to the laboratory as a freshman—a privilege typically reserved for junior-level students. This early involvement highlights exceptional initiative and capability in handling complex scientific tasks.

Design and Safety Optimization:

Designed and successfully executed several high-stakes experiments, significantly advancing the project's goals. Implemented rigorous safety measures to mitigate risks associated with explosive materials, enhancing overall lab safety and project deliverables.



Problem Solving

Aesthetic Attitude

Communication Skills

(:)

Emotional Stability

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Learning Ability

Leadership