Xianzhe(Scott) Zhang

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👤 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.

🌠 Highlights

4	17	60	59	23	Ⓐ 42
Majors	scholarships	Certificates	Skills	Applications	HD courses

🎓 Education

Bachelor of Engineer - SWUST ↗   Sep 2017 - May 2022
Functional Material

Bachelor of Management - SWUST ↗   Sep 2021 - May 2022
Administration Management

Master of IT - UNSW ↗   Sep 2017 - May 2022
Artificial Intelligence

Master of IT - UNSW ↗   Sep 2017 - May 2022
Data Science

📁 Projects

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.

💼 Skill

Management	☆ Jira、☆ SWOT、☆ PEST、☆ Boston Matrix、Gantt Chart、Organizational Behavioral Analysis、strategic management
Front-end	HTML、CSS、☆ JavaScript、☆ React、Redux、☆ Tailwind、☆ Framer、Main UI、Animation libs
Back-end	MySQL、☆ PostgreSQL、☆ NodeJS、☆ Json、TablePlus
Database	MySQL、☆ PostgreSQL、Tableau、☆ Python、☆ Neo4j、☆ Pandas
AI-Algorithm	Machine Learning、☆ Deep Learning、Natural Language、☆ Recommender System
IT-Tool	☆ Github、☆ SSH、Docker、☆ Zsh、Vim
Text	☆ Markdown、LaTeX、☆ Word、☆ Pages、HTML
Slides	☆ PowerPoint、☆ Keynotes、Google Slides
Video	☆ Final Cut Pro、Premiere、After Effects、☆ DaVinci、iMovie、☆ JianYing
Graph	☆ Photoshop、☆ Lightroom、Illustrator、☆ InDesign、XD、3D Max、☆ Sharp 3D
Language	English、☆ Chinese、☆ SiChuan Dialect
Music	Guitar、☆ Piano

💡 Why Me

Learning Ability	Leadership	Communication Skills	Problem Solving	Aesthetic Attitude	Emotional Stability