# 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** ↗  
Functional Material  
Sep 2017 - May 2022

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

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

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

## 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:
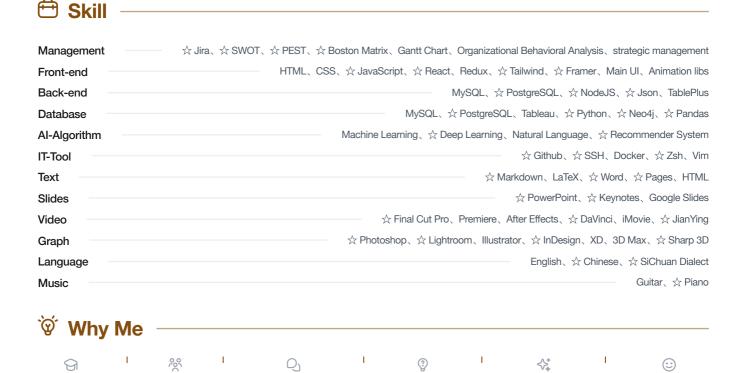
▸ **Innovative Research and Development :**  
Independently conducted high-risk experiments with high energy and low sensitivity explosives (HMX / CL-20 / FOX-7) as part of a secretive national defense project. Demonstrated strong practical abilities from theoretical verification to experimental execution, 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

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|---|---|
| **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

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|---|---|---|---|---|---|
| Learning Ability | Leadership | Communication Skills | Problem Solving | Aesthetic Attitude | Emotional Stability |