

XU SHUYAO

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🎓 EDUCATION

National University of Singapore (NUS), Singapore 2022 – Present

Bachelor of Computing in Computer Science, May 2026 (anticipated)

Second Major in Statistics, CAP: 5.0/5.0

Xiamen No.1 High School of Fujian, China 2019 – 2022

High School Diploma

Ranked in the Top 0.5% in the leaving exam (高考)

👥 EXPERIENCE

liteForum Project Dec. 2022 – Jan. 2023

React.js, Ruby on Rails, Docker, AWS Individual Project

Brief introduction: This is a full-stack web app toy project, built as part of the CVWO winter assignment.

- Powered by modern web development frameworks React.js and Ruby on Rails.
- Supports CRUD and user authentication feature
- Containerized using Docker and deployed on AWS EC2.

Xiamen University Fujian, China Jan. 2020 – Nov. 2020

Research Intern Supervisor: Prof. Wu Shunqing

Brief introduction: Selected as a member of the "英才计划", 3/87 chosen by CAST.

- Investigated fundamental principles in the fields of condensed-matter physics and computational physics, including electronic structure, lattice dynamics, and phase transitions.
- Utilized advanced computational techniques, such as the AGG algorithm, to propose a novel 2D crystal structure of silicon, incorporating structural, thermodynamic, and electronic properties analysis.

⚙️ SKILLS

- Proficient in programming languages: Java, JavaScript, Python, C, R, and Ruby
- Experienced in web development frameworks and libs: React.js, Ruby on Rails, Bootstrap
- Knowledgeable in machine learning frameworks and libs: TensorFlow, Keras, and NumPy

♥️ HONORS AND AWARDS

Dean's List, AY22/23 Sem 1, NUS SOC Dec. 2022

📖 COURSES

- Deep Learning Specialization (Coursera), 2023
- Machine Learning Specialization (Coursera, Stanford Online), 2022
- A+ Courses: Programming Methodology, Calculus for Computing, Discrete Structures.

📌 MISCELLANEOUS

- Personal Page: timxsy.com
- GitHub: Tim-Siu
- Languages: English - Fluent, Mandarin - Native speaker