

TIANYU (JACK) LI

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🌐 <https://jacktianyuli.github.io/>

EDUCATION

B.Sc., Southern University of Science and Technology

Major: Data Science and Big Data Technology

GPA: 3.87/4.0 rank: 5/46

Core Courses: Data Structures and Algorithm Analysis, Statistical Linear Models, Distributed Storage and Parallel Computing, Artificial Intelligence, Statistical Learning, Big Data Analytics Software and Applications, Data Science Practice (Deep Learning)

📅 08/2022 – 06/2026 (expected graduation)

📍 Shenzhen, China

Visiting Student, University of California, Berkeley

Courses: Computer Vision, Time Series, Intro to Cognitive Science

📅 08/2025 - 12/2025

📍 Berkeley, CA, USA

PUBLICATIONS

[1] T. Li, T. Wang, X. Zhao and C. Wang, "LoR-SGS: Hyperspectral Image Compression via Low-Rank Spectral Gaussian Splatting," in IEEE Transactions on Geoscience and Remote Sensing, vol. 63, pp. 1-13, 2025, Art no. 4707913, doi: 10.1109/TGRS.2025.3623253.

EXPERIENCE

PACE Solutions Limited

Software/AI Intern (Remote)

📅 10/2025 – Present

- Supporting AI-assisted data ingestion and migration workflows, evaluating AI coding assistants for productivity and code quality, and prototyping data representation solutions for structured knowledge extraction.

Tencent Music Entertainment Group

Project Intern, Smart Platform Group

📅 06/2025 – 07/2025

- **Optimized an end-to-end text classification model**, managing the full lifecycle from requirement analysis and large-scale imbalanced data handling to deep fine-tuning of pre-trained models (e.g., StructBERT). Achieved a validation F1-score consistently above 82%, demonstrating proficiency in model performance enhancement.
- Gained practical **Model Engineering & Deployment experience** by configuring the production environment using Linux, Docker, Flask, and Unicorn.

Undergraduate research

Supervisor: Dr. Chao Wang

📅 09/2024 – 06/2025

- **Developed a novel Gaussian splatting-based compression model for hyperspectral images**, achieving a significant PSNR improvement up to 20 % over implicit neural representation methods at equivalent compression rates with reduced encoding time and GPU memory usage.
- Awarded a **research grant** from the Special Funds for the Cultivation of Guangdong College Students' Scientific and Technological Innovation.

AWARDS

- Academic:

- Second Prize of the National Mathematical Modeling Contest, Guangdong Division 09/2024
- Honorable Mention of the Mathematical Contest in Modeling, 2024 02/2024
- "Outstanding student" of SUSTech in year 2023 02/2024
- Second Prize of the National Mathematics Contest, Guangdong Division 12/2023
- Sports:
 - Best-16 in men's single in the 27th Chinese University Tennis Championships 07/2024
 - 4-th place in men's volleyball in the 13th University Volleyball Tournament of Guangdong Province, 2023 representing SUSTech 12/2023

LANGUAGES

English

- GRE: 326 (V156 Q170 AW3.5)
- TOEFL: 108 (R30 L29 S23 W26)

Chinese: native

SKILLS

Programming: Python (Numpy, Pandas, Matplotlib), Java, R, SQL

Software/API: PyTorch, LaTeX, MS Office, GIT