

# TIANYU (JACK) LI

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## EDUCATION

B.Sc., Southern University of Science and Technology

Major: Data Science and Big Data Technology

GPA: 3.87/4.0    rank: 5/47

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

## EXPERIENCE

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.
- Co-first author for LoR-SGS: Hyperspectral Image Compression via Low-rank Spectral Gaussian Splatting, IEEE Transactions on Geoscience and Remote Sensing (accepted).

## 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

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English

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

Chinese: native

# SKILLS

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

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