

BOWEN ZHANG

Guangzhou, China

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Education

South China University of Technology

Sep 2021 – Jun 2025

Bachelor of Software Engineering, GPA:3.84/4.0 (90.32/100.0, rank:4/49 Excellent Engineer Class)

Guangzhou

Relevant Coursework

- Mathematical Analysis
- Linear Algebra
- Machine Learning
- Deep Learning
- Discrete Mathematics
- Data Structures
- Software Architecture
- Database System

Experience

Machine Learning and Data Mining Lab (advised by Qianli Ma)

Oct 2023 – Present

Research Intern

School of Computer Science, SCUT

- Researched mainly on time-series analysis, especially time-series classification and forecasting.
- Recently researched on multi-scale modeling, mixture of experts and their application in time-series.
- Read some papers about graph neural network and spatio-temporal data mining.

Key Laboratory of Big Data and Intelligent Robot (advised by Yi Cai)

Mar 2023 – Present

Project Intern

School of Software Engineering, SCUT

- Finished one project, named Smartvision, which use AIGC to help visually impaired to get around.
- The project Smartvision won second prize in National College Students' Software Innovation Competition (South China)
- Learned some knowledge of natural language processing and large language model.

Projects

Smartvision: AIGC-based Smart Glasses for Visually Impaired Travel Assistance | Python Oct 2023 – Present

- This project is based on AIGC and employs functions such as intelligent navigation, object detection, intelligent obstacle avoidance, and intelligent QA to address the travel challenges of visually impaired individuals.
- I developed code related to object detection functionality and conducted algorithm research on mmdetection, detic, etc.

Beyond Guessing: Data-Driven Exploration of Word Features and Relationships | Python, LaTeX Feb 2023

- Used ARIMA model to solve problems related to time-series analysis.
- Used the K-means clustering method to determine the difficulty level of the problem.
- Utilized LaTeX typesetting for writing articles.
- This paper received Finalist (Top 2%) in MCM (an international competition of modeling).

Technical Skills

Programming Languages: Python, C++, Java, Matlab, LaTeX, SQL

English Level: CET6: 512, CET4: 567

Honors and Awards

- National Scholarship (rank: 1) 2022
- Top Ten Excellent Student Models of SCUT (The best honor for undergraduates in SCUT) 2023
- First Prize Scholarship of South China University of Technology (rank: 2) 2023
- Finalist of Mathematical Contest In Modeling (MCM, Top 2%) 2023
- First Prize of Chinese Mathematics Competitions (CMC) 2022 and 2023 (twice)
- Gold Prize of National College Student Algorithm Design and Programming Challenge 2023
- Second Prize of National College Students' Software Innovation Competition (South China Area) 2024

Leadership / Extracurricular

Monitor of class

Sep 2022 – Present

South China University of Technology

- Received Top Ten Excellent Communist Party Members Nomination Award of SCUT in 2024.
- Led class to receive Top Ten Excellent Classes Nomination Award of South China University of Technology in 2023.
- Talented in Mathematical Analysis (Score:98, rank:1/124), received Excellent Auxiliary Volunteer.