

CONTACT
INFORMATION

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 South China University of Technology, Guangzhou, China



EDUCATION

- **Fuzhou NO.3 High School**, Fuzhou, China. 2016–2019
- **South China University of Technology**, Guangzhou, China. 2019–2023
 - B.Eng., Software Engineering.

TECHNICAL
SKILLS

- *English*: IELTS(6.5), CET-4, CET-6.
- *Programming Languages*: C/C++, Fortran, Python, MySQL, sqlite, L^AT_EX.
- *Programming skills*: intel oneapi, openblas, openmp, pthread, pytorch, keras.
- *TestDemo Certificate*: C++, TOP 10%, LINUX, TOP 10%, PYTHON, TOP 10%
- *Kaggle Certificate*: Data Visualization, Intro to Machine Learning, Intro to Deep Learning, Intro to Game AI and Reinforcement Learning

HONORS
AND
AWARDS

- **Silver Award (46th)** ICPC Asia JiNan Regional Contest. 2021
- **Bronze Award (46th)** ICPC Asia-East Continent Final. 2022
- **Silver Award (3rd)**
National College Students Algorithm Design&Programming Challenge Contest 2022
- **National Scholarship** 2022
- **The First Prize Scholarship Hong Ping Evergreen Fund**
Student Science and Technology Innovation Competition scholarship 2022
- **Outstanding Contribution Award**
Extracurricular Academic Science and Technology Innovation&Competition of
South China University of Technology 2022
- **Kaggle Dataset Expert Rank** 181/63093 2022
- **Kaggle Notebook Expert Rank** 964/221587 2022

PROJECT
EXPERIENCE

- **Parallel Optimization Symmetric Matrix Solution with BBK Algorithm**
Mentor: [TANG Deyou](#) May–Dec. 2022
 - Implemented the subroutine of solving symmetric matrix with bounded Bunch-Kaufman algorithm.
 - Optimized the performance with openmp and using NEON intrinsics to improve parallelism and performance.
 - Modified the cache-hit rate and parallelism during a column-swap part to achieve a 70% total performance improvement.
- **Risk Management for Extreme Climate Disaster Chain in the Greater Bay Area**
Mentor: [TAO Qian](#) Mar.–July 2022
 - Used Python libraries like Matplotlib, Plotly, and Pandas to perform correlation analysis, visualization analysis and doing some feature engineering according to the tropical cyclone measurement data from the China Meteorological Administration.
 - Predicted climate changes and estimated risks with GAT net.

EXCHANGE
EXPERIENCE

- **Online Academic Program on Machine Learning, McGill University** Jan.–Feb. 2022
 - Learned basic machine learning techniques and data analysis skill.
 - Participated in competitions on Kaggle, e.g., image classification using CNN, English text classification using RNN, etc.
 - Composed a proposal about the data analysis of consumption habits.