

CONTACT  
INFORMATION

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Kaggle: [www.kaggle.com/conccyclics](https://www.kaggle.com/conccyclics)  
Address: 09-01, West Coast Residential Village, 127371, Singapore



EDUCATION

**National University of Singapore**, Singapore. 2023–2025(Expected)  
◦ Master of Computing, Computer Science Specialization. GPA: 4.38/5.0  
**South China University of Technology (SCUT)**, Guangzhou, China. 2019–2023  
◦ B.Eng., Software Engineering. GPA: 3.61/4.0

HONORS  
AND  
AWARDS

- **Outstanding Dissertation of South China University of Technology** 2023
- **Honorable Mention** Mathematical Contest in Modeling 2023
- **National Scholarship** 2022
- **Bronze Medal (46th)** ICPC Asia-East Continent Final 2022
- **Silver Medal (46th)** ICPC Asia JiNan Regional Contest 2021

PROJECT AND  
INTERNSHIP  
EXPERIENCE

- **Symmetric Matrix Solving Algorithm Parallel Optimization for ARM Architecture** 2023  
Mentor: Prof. Deyou TANG May-Dec. 2022
  - Implemente the subroutine of bounded Bunch-Kaufman algorithm and use openmp and NEON intrinsics to optimize parallelism and performance.
  - Modify the cache-hit rate and parallelism during column-swap part to achieve a 70% total performance improvement.
- **Research Assistant in Hong Kong University of Science and Technology, Guangzhou** 2023  
Mentor: Prof. Zeyi WEN Apr-Sept. 2023
  - Research on the Graph Partitioning Algorithm and fillin-reducing ordering algorithm.
  - Use omp task to optimize and parallel the graph partitioning algorithm.
- **Internship in SG Digital Trust Lab, Singapore Research Center, 2012 Laboratory** 2024  
Mentor: Dr. Tao HUANG Jan.-May. 2024(Expected)  
Topic: Efficient Intellectual Property Protection and Model Stealing Defence

TECHNICAL  
SKILLS

- *English*: IELTS(6.5), CET-4, CET-6.
- *familiar with*: C/C++, Fortran, p4-16, blas, openmp, mpi, pthread, cuda.
- *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.

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.

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Kaggle: [www.kaggle.com/conccyclics](https://www.kaggle.com/conccyclics)  
地址: 新加坡 West Coast Residential Village 09-01 127371



教育经历

**新加坡国立大学**, 新加坡 2023–2025(预计)  
◦ 计算机科学硕士, 计算机科学方向. GPA: 4.38/5.0  
**华南理工大学**, 广东省广州市 2019–2023  
◦ 工学学士, 软件工程专业. GPA: 3.61/4.0

获奖荣誉

- **华南理工大学本科优秀毕业设计(论文)** 2023
- **二等奖** 美国大学生数学建模竞赛 (MCM/ICM) 2023
- **铜牌** 第46届ICPC国际大学生程序设计竞赛亚洲区决赛 2022
- **国家奖学金** 2022
- **银牌** 第46届ICPC国际大学生程序设计竞赛(济南站) 2021

项目和实习经历

- **对称矩阵函数求解BBK算法的并行优化** 2022/04–2022/12  
单位: 华为鲲鹏计算 导师: 汤德佑教授  
◦ 实现Bounded Bunch-Kaufman (BBK)算法, 利用NEON指令集和OpenMP进行优化。  
◦ 对求解的行交换操作进行并行和访存局部性优化, 实现总体接口70%的性能提升。
- **科研助理** 2023/04–2023/09  
单位: 香港科技大学广州校区 导师: 文泽忆教授  
◦ 开展图分割算法和填充减少排序算法的研究。  
◦ 利用omp task对图分割算法进行并行优化。
- **实习生** 2024/01–2024/05(预计)  
单位: 华为2012实验室亚太研究院新加坡研究所数字信任实验室  
导师: 黄涛博士  
课题: 高性能模型窃取防御

专业技能

- 英语认证水平: CET-4, CET-6, IELTS(6.5).
- 编程技能: C/C++, Fortran, p4-16, blas, openmp, mpi, pthread, cuda.
- *TestDemo* 编程技能认证: C++, TOP 10%, LINUX, TOP 10%, PYTHON, TOP 10%
- Kaggle 课程认证: 数据可视化, 机器学习, 深度学习, 强化学习

交换经历

- **机器学习线上访学项目, 麦吉尔大学** 2022/01–2022/02  
◦ 学习机器学习的基本理论和算法。  
◦ 在Kaggle上完成了关于利用CNN进行图像分类和利用RNN进行文本分类的两个练习赛。  
◦ 进行了关于消费习惯的数据分析和建模, 并撰写报告答辩。