

CONTACT
INFORMATION

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✉ E-mail: conccyclics@qq.comGithub: www.github.com/ConccyclicsKaggle: www.kaggle.com/conccyclics

Address: Fu Feng Road NO.100, Jin An District, Fuzhou, Fu Jian Province, China



EDUCATION

Fuzhou NO.3 High School, Fuzhou, China.

2016–2019

South China University of Technology (SCUT), Guangzhou, China.

2019–2023

◦ B.Eng., Software Engineering.

National University of Singapore, Singapore.

2023–now

◦ Master of Computing, Computer Science.

TECHNICAL
SKILLS

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

HONORS
AND
AWARDS

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

PROJECT
EXPERIENCE

- ***Risk Management for Extreme Climate Disaster Chain in the Greater Bay Area***
Mentor: Qian TAO Mar.-July 2022
 - Predict climate changes, estimated risks with GAT net and visualize the results with plotly.
- ***Symmetric Matrix Solving Algorithm Parallel Optimization for ARM Architecture***
Mentor: 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**
Mentor: Zeyi WEN Apr. 2023–now
 - Research on the Graph Partitioning Algorithm and fillin-reducing ordering algorithm.

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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	Github:www.github.com/Conccyclics	
	Kaggle:www.kaggle.com/conccyclics	
	地址: 福建省福州市晋安区福峰路 100 号三盛国际公园	
		
教育经历	福建省福州第三中学, 福建省福州市.	2016-2019
	华南理工大学, 软件工程学士, 广东省广州市.	2019-2023
	新加坡国立大学, 计算机硕士, 新加坡.	2023-至今
专业技能	<ul style="list-style-type: none">英语认证水平: CET-4, CET-6, IELTS(6.5).编程语言: C/C++, Python, Fortran.编程技能: blas, openmp, pthread, cuda.工业和信息化部人才交流中心: 工业和信息化人才专业知识测评证书——C 语言编程高阶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	
获奖荣誉	银牌第 46 届国际大学生程序设计竞赛 (ACM-ICPC)	2021
	铜牌第 46 届国际大学生程序设计竞赛亚洲区决赛 (ACM-ICPC EC final)	2022
	国家奖学金	2022
	二等奖美国大学生数学建模竞赛 (MCM/ICM)	2023
	华南理工大学本科优秀毕业设计 (论文)	2023
项目经历	粤港澳大湾区极端天气气候灾害链的风险管控与应对	2022/03-2022/07
	单位: 华南理工大学软件学院软件服务工程与云计算团队陶乾实验室 导师: 陶乾 <ul style="list-style-type: none">利用图注意力神经网络进行气象预测和灾害预警, 并进行可视化展示。	
	对称矩阵函数求解 <i>BBK</i> 算法的并行优化	2022/04-2022/12
	单位: 华为鲲鹏计算 导师: 汤德佑 <ul style="list-style-type: none">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优化, 实现总体接口 70% 的性能提升。	
	科研助理	2023/04-至今
项目经历	单位: 香港科技大学广州校区 导师: 文泽忆 <ul style="list-style-type: none">开展图分割算法和填充减少排序算法的研究。	
交换经历	机器学习线上访学项目, 麦吉尔大学	2022/01-2022/02
	<ul style="list-style-type: none">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。	