

CONTACT INFORMATION	Tel: +86-13305014345	
	✉ E-mail: <a href="mailto:conccyclics@qq.com">conccyclics@qq.com</a>	
	Github: <a href="https://www.github.com/Conccyclics">www.github.com/Conccyclics</a>	
	Kaggle: <a href="https://www.kaggle.com/conccyclics">www.kaggle.com/conccyclics</a>	
	Address: Fu Feng Road NO.100, Jin An District, Fuzhou, Fu Jian Province, China	
EDUCATION	<b>Fuzhou NO.3 High School</b> , Fuzhou, China.	2016–2019
	<b>South China University of Technology (SCUT)</b> , Guangzhou, China.	2019–2023
	◦ B.Eng., Software Engineering.	
	<b>National University of Singapore</b> , Singapore.	2023–now
	◦ Master of Computing, Computer Science.	
TECHNICAL SKILLS	<ul style="list-style-type: none"> <li>• <i>English</i>: IELTS(6.5), CET-4, CET-6.</li> <li>• <i>familiar with</i>: C/C++, Fortran, blas, openmp, pthread, cuda.</li> <li>• <i>TestDemo Certificate</i>: C++, TOP 10%, LINUX, TOP 10%, PYTHON, TOP 10%</li> <li>• <i>Kaggle Certificate</i>: Data Visualization, Intro to Machine Learning, Intro to Deep Learning, Intro to Game AI and Reinforcement Learning</li> </ul>	
HONORS AND AWARDS	• <b>Silver Award (46th)</b> ICPC Asia JiNan Regional Contest.	2021
	• <b>Bronze Award (46th)</b> ICPC Asia-East Continent Final.	2022
	• <b>National Scholarship</b>	2022
	• <b>Honorable Mention</b> Mathematical Contest in Modeling	2023
	• <b>Outstanding Diploma Project of South China University of Technology</b>	2023
PROJECT EXPERIENCE	• <b><i>Risk Management for Extreme Climate Disaster Chain in the Greater Bay Area</i></b> Mentor: <a href="#">TAO Qian</a>	Mar.-July 2022
	◦ Predict climate changes, estimated risks with GAT net and visualize the results with plotly.	
	• <b><i>Symmetric Matrix Solving Algorithm Parallel Optimization for ARM Architecture</i></b> Mentor: <a href="#">TANG Deyou</a>	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.	
	• <b><i>Research Assistant</i></b> in <b>Hong Kong University of Science and Technology, Guangzhou</b> Mentor: <a href="#">Zeyi Wen</a>	Apr. 2023–now
	◦ Research on the Graph Partitioning Algorithm and fillin-reducing ordering algorithm.	
EXCHANGE EXPERIENCE	• <b>Online Academic Program on Machine Learning, McGill University</b>	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: 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

- 英语认证水平: CET-4, CET-6 IELTS(6.5).
- 编程语言: C/C++, Python, Fortran, MySQL, sqlite,  $\text{\LaTeX}$ .
- 编程技能: intel oneapi, 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
  - 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 *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
  - 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  
单位: 香港科技大学广州校区 导师: 文泽忆
  - 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
  - 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。