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| CONTACT INFORMATION | Tel: +86-13305014345 | | | |
| | ✉ E-mail:conccyclics@qq.com | | | |
| | Github:www.github.com/Conccyclics | | | |
| | Kaggle:www.kaggle.com/conccyclics | | | |
| | | Address: Fu Feng Road NO.100, Jin An District, Fuzhou, Fu Jian Province, China | | |
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| 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 | <ul style="list-style-type: none">• <i>English</i>: IELTS(6.5), CET-4, CET-6.• <i>familiar with</i>: C/C++, Fortran, blas, openmp, pthread, cuda.• <i>TestDemo Certificate</i>: C++, TOP 10%, LINUX, TOP 10%, PYTHON, TOP 10%• <i>Kaggle Certificate</i>: Data Visualization, Intro to Machine Learning, Intro to Deep Learning, Intro to Game AI and Reinforcement Learning | | | |
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| | HONORS AND AWARDS | • Silver Award (46th) ICPC Asia JiNan Regional Contest. | 2021 | |
| | | • Bronze Award (46th) ICPC Asia-East Continent Final. | 2022 | |
| • National Scholarship | | 2022 | | |
| • Honorable Mention Mathematical Contest in Modeling | | 2023 | | |
| • Outstanding Diploma Project of South China University of Technology | | 2023 | | |
| PROJECT EXPERIENCE | • <i>Risk Management for Extreme Climate Disaster Chain in the Greater Bay Area</i> Mentor: TAO Qian | | Mar.-July 2022 | |
| | ◦ Predict climate changes, estimated risks with GAT net and visualize the results with plotly. | | | |
| | • <i>Symmetric Matrix Solving Algorithm Parallel Optimization for ARM Architecture</i> Mentor: TANG Deyou | | 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. | | | |
| | | • <i>Research Assistant</i> 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. | | | |

联系方式

Tel: +86-13305014345

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

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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–now

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, \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
工作内容: 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
工作内容:
 - 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。