CONTACT INFORMATION	Tel: +86-13305014345 ✉ E-mail:concyclics@qq.com Github:www.github.com/Concyclics Kaggle:www.kaggle.com/concyclics Address: University Town Campus, Panyu District, South China University of Technology, Guangzhou, 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.

TECHNICAL SKILLS

- *English*: IELTS(6.5), CET-4, CET-6.
- *Programming Languages*: C/C++, Fortran, Python, MySQL, sqlite, LaTeX.
- *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.

- **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.

陈 涵

联系方式

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Kaggle:www.kaggle.com/concyclics
邮寄地址: 广东省番禺区小谷围街道华南理工大学

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，软件学院，广东省广州市.		2019–2023

获奖荣誉

- 华南理工大学**优秀共青团员**   2019&2021
- **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
- **银牌** 第三届全国大学生算法设计与编程挑战赛 (秋季赛)   2022
- **铜牌** 第三届全国大学生算法设计与编程挑战赛 (冬季赛)   2022
- **铜牌** 第三届全国大学生算法设计与编程挑战赛 (夏季赛)   2022
- **一等奖** "宏平长青基金"学生科技创新竞赛奖学金   2022
- **银牌** 集美大学第八届程序设计竞赛.   2022
- **杰出贡献奖** 华南理工大学课外学术科技创新竞赛成果   2022
- *Kaggle* **数据专家(Dataset Expert)** 排名 181/63093   2022
- *Kaggle* **代码专家(Notebook Expert)** 排名 964/221587   2022

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
  项目编号: 2019YFC1510400
  工作内容: 气象数据分析和图注意力网络研究
  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

- 对称矩阵函数求解之*BBK(rook)*算法   2022/04-12
  工作内容: 针对华为鲲鹏处理器实现LAPACK数学库中对称矩阵求解BBK算法
  对应 *sysv_rk/sysv_rook* 单双精度实复数四种数据类型的接口并进行多线程并行性能优化和SIMD指令集性能优化
  单位: 华为鲲鹏计算
  导师: 汤德佑

专业技能

- 编程语言: C/C++, Python, Fortran, MySQL, sqlite, LATEX, markdown.
- 编程技能: intel oneapi, openblas, openmp, pthread, pytorch, keras.
- 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
- 英语认证水平: CET-4, CET-6 IELTS(6.5).