

# Jiongchi Yu

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## EDUCATION

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- Ph.D. Singapore Management University, Singapore**  
Computer Science 2022 - Present  
Advisor: Prof. Xiaofei Xie
- B.E. Zhejiang University, Hangzhou, China**  
Polymer Material and Engineering 2017 - 2022  
Advisor: Prof. Zhikang Xu  
Prof. Fan Zhang

## EXPERIENCE

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- Research Intern Netease Inc Fuxi AI Lab** 2022.01 - 2022.05  
Research on testing online combat games and regression testing selection for video games

## PUBLICATIONS

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### Journal Articles

- 2022 Shang-Jin Yang, Zhi-Yuan Xu, Ling-Yun Zou, **Jiong-Chi Yu**, Jian Ji, and Zhi-Kang Xu. "Porous Photo-Fenton Catalysts Rapidly Triggered by Levodopa-Based Mussel-Inspired Coatings for Enhanced Dye Degradation and Sterilization." In: *Langmuir* 38.31 (2022), pp. 9587–9596
- 2021 Ren-Qiang Zhang, Xiang-Yu Jiang, **Jiong-Chi Yu**, Chong Zeng, Ming Gong, and Shun Xu. "Calculation and Optimization of Correlation Function in Distillation Method of Lattice Quantum Chromodynamics." In: *ACTA PHYSICA SINICA* 70.16 (2021)
- 2021 **Jiong-Chi Yu**, Meng-qi Ma, Cheng-ye Zhu, Deng-feng Hu, Jian Ji, and Zhi-kang Xu. "MoS<sub>2</sub> Membranes with Photothermal Conversion Property for Nanofiltration and Antibacterial Activity." In: *ACTA POLYMERICA SINICA* 52.5 (2021), pp. 504–512

### Conference Proceedings

- 2023 **Jiong-Chi Yu**, Yue-Chen Wu, Xiao-Fei Xie, et al. "GameRTS: A Regression Testing Framework for Video Games." In: *Proceedings of the 45th International Conference on Software Engineering (Technical Track)*. 2023

## AWARDS AND HONORS

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2022	Participate Certificate(rankd 5th), International Student Cluster Competition(ISC22)
2021	First Prize Award, Asia Student Supercomputer Challenge(ASC20-21)
2020	Bronze Award, The 8th "Intel Cup" Parallel Application Challenge (PAC20)
2019	Second Prize Award, The 12th National College Information Security Contest
2019	Second Prize Award, Asia Student Supercomputer Challenge(ASC19)

## RESEARCH LABS AND ASSISTANTSHIP

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2021.06-2022.06	<b>Research Member</b> at School of Cyber Science and Technology, Zhejiang University advised by Prof. Fan Zhang
2020,2021 Summer	<b>Teaching Assistant</b> at Course "Introduction of High Performance Computing", Zhejiang University
2019-2021	<b>Team Leader</b> of Zhejiang University Supercomputer Team(ZJUSCT) advised by Prof. Jianhai Chen
2019.05-2021.01	<b>Research Member</b> at Institute of Surface & Interface Engineering of Polymer Membranes, Zhejiang University advised by Prof. Zhikang Xu
2018	<b>Teaching Assistant</b> at Course "The Art of Violin", Zhejiang University

## PROFESSIONAL SKILLS

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Programming	Python, C/C++, JavaScript, Go, Rust
Web	React, Vue, Koa, Flutter
Data Science	Numpy, PyTorch, CUDA, MPI, OpenMP
System	Linux, Container(Docker etc.), SDN(P4)

## OTHER INTERESTS

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Music	Zhejiang Level-A Student Art Specialty(Violin), 10+ Years of Orchestra Experience(Violin, Percussion).
Language	Chinese, English, Japanese(N2), Russian
Sports	National Second Class Basketball&Table Tennis Referee, National Swimming Life Saving Volunteer