

ZHANG Zhong

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Education

Program	Institution	CGPA	Year
BSc Computer Sci. & Economics	Hong Kong University of Science and Technology Hong Kong SAR	3.83/4.3	2020-2024

Acedemic projects

Research Project: Firms in Globalization: Evidence from China Sep 2022 - Dec 2022
(Guide: Prof. Yao Amber Li, HKUST) Student/RA

- The project is about investigating Firms innovation behavior and their trade value
- Data gathering and preprocessing
- Data analysis

Course Preration: "Exploring Artificial Intelligence" Dec 2021 - Jan 2022
(Guide: Dr. Desmond Yau-chat Tsoi, HKUST) Student Helper/TA

- Made a voice detection project (trigger word detection) for the new AI course from scratch, including:
 - Overall design
 - Data gathering and preprocessing
 - implementation and training Nerual Networks
 - prepare skeleton code & instruction for students

CV Project: Image colorization Oct - Dec 2021
(Instructor: Prof. CHEN, Qifeng, HKUST) Deep Learning in Computer Vision Course Project

- Data gathering and preprocessing
- Network (GAN) design, implementation, and training
- Presentation and Report writing

Undergraduate Research Opportunity Program: Indoor localization June - Aug 2021
(Guide: Prof. Shueng-Han Gary Chan, HKUST) Student/RA

- Analyzes and compares different methods that decode a rasterized format floor plan image
- Evaluate methods to sampling reference points on floor plans automatically

C++/Qt Project: Your study assistant - Memorier Oct - Dec 2020
(Instructor: Dr. Desmond Yau-chat Tsoi, HKUST) OOP & Datastructure Course Project

- UI, workflow, datastructure design & implementation

Industrial Training

Internship in JavaScript Virtual Machine team Feb - July 2022
(Mentor: Mr. SUN ZhiPeng) ByteDance Ltd., HangZhou

- Features added: Async stack backtrace, Unhandled rejection detection, Lazy/parallel compile.
- 20+ bugfix
- Software testing/QA

ByteCamp: 3D Map Automatic Generation in One Click Aug. 2021
(Mentor: Mr. HUANG GaoLe) ByteDance Ltd., BeiJing

- Our group made a Unity pulg-in to generate 3D Map in one click.
- My Job: Automatic room partition and furniture generation for houses.
- Our team won *Third prize* (4-6th)

Other Activities

- *Exchange Student* at University of Maryland, College Park, U.S. (Jan 2023 - Mar 2023)
- *Exchange Student* at East and Central Europe Study, Charles University, Czech Republic (June 2023 - July 2023)
- *Promotion Secretary* at Mainland Students and Scholars Society, UG Section, HKUST. (Dec 2020 - Nov 2021)
- *Mentor* for Peer Mentor Program, MSSSUG, HKUST (May 2021 - Mar 2022)

Achievements/Awards/Certificate

- HKSAR Government Scholarship Fund - Talent Development Scholarship 2022-23
Award by HKSAR Government
- 3rd out of 7 in Tsinghua-HKUST Programming Contest (Aug 2022)
Organized by HKUST; National Tsing Hua University; Tsinghua University
- *Bronze Medal* in International Collegiate Programming Contest (ICPC) East Continent Final (July 2022)
Organized by ICPC Foundation; Northwestern Polytechnical University
- *Silver Medal* in International Collegiate Programming Contest (ICPC) Asia Jinan Regional Contest (Nov 2021)
Organized by ICPC Foundation; Qilu University of Technology (Shandong Academy of Sciences)
- 3rd out of 7 in Tsinghua-HKUST Programming Contest (Aug 2021)
Organized by National Tsing Hua University; Tsinghua University; HKUST
- *Advanced to Final Round* in Tsinghua University Programming Contest (THUPC) (May 2021)
Organized by Tsinghua University
- *Silver Medal* in International Collegiate Programming Contest (ICPC) Asia Nanjing Regional Contest (Dec 2020)
Organized by ICPC Foundation; Nanjing University of Aeronautics and Astronautics
- *Second Prize* in Peking University's Olymiad in Informatics Winter Camp (PKUWC) (2018))
Organized by Peking University
- *Second Prize *3* in Guang Dong Olympiad in Informatics (GDOI) (2018))
Organized by CCF(Guang Dong);Sun Yat-sen University
- *First Prize *3* in National Olympiad in Informatics in Provinces (NOIP) (2016, 2017, 2018))
Organized by China Computer Federation (CCF)

Skills

- Programming: C/C++, Python, Java, JavaScript, SQL, PHP, Stata, R
- Algorithm Design, Competitive programming/ICPC
- Data analysis
- Web development: React, PHP

Others

- Languages: Chinese (Mandarin, Cantonese(a little)); English.
- Hobbies: Travelling, Hiking, Piano