

ZHANG Zhong

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Education

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

Acedemic projects & Key Course Projects

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

Making Marketing Plan for customized bilingual children book **June - July 2021**
(Instructor: Prof. Coral PUIG, HKUST) *Marketing Management Course Project*

- Design Product, Price, Place, and Promotion(4ps) plan
- Presentation

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 that will generate 3D Map in one click.
- My Job: Automatic room partition and furniture generation for houses.
- Our team won *Third prize* (4-6th)

Extracurricular Activities

- *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).
- *Social practice* at Gansu. Visiting local governments, firms, and schools. Host by Tsinghua University. (Aug 2022).

Achievements/Awards/Certificate

- *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 (Feb 2021)
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)

Others

- Hobbies: Travelling, Hiking, Piano
- Languages: Chinese (Mandarin, Cantonese(some)); English. C/C++, Python, Java, R.

Note: There are links in the document.