

Guochao Xie

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Muse College; School of Data Science; The Chinese University of Hong Kong, Shenzhen

Highly-motivated Computer Science and Engineering student with a 3.815 GPA.

Interested in novel and interdisciplinary studies among system-level design, implementation, and optimization.

EDUCATION

- 2017.09 – **The Chinese University of Hong Kong, Shenzhen**
2021.05 Bachelor of Science in Computer Science and Engineering.
Core GPA: 3.815 (2nd in Major; 12th in School), **Major GPA: 3.903**.
Core Courses: Programming, Computer Architecture, Database.
- 2019.06 – **University of California, Berkeley**
2019.08 **Core courses:** Operating System and System Programming, Game Theory. **GPA: 4.00**

EXPERIENCE

- 2020.07 – **Apartsa Information Technology Co., Ltd** **CTO**
Now A leading overseas information sharing platform in CUHK(SZ).
Recruited and managed an updated technical team; improved the platform with new features.
- 2019.09 – **The Chinese University of Hong Kong, Shenzhen** **Undergraduate Student Teaching Fellow**
Now **Teaching Courses:** Data and Knowledge Management; Computational Laboratory;
Data Structures.
Taught tutorials and held office hour for consultation.
- 2018.04 – **Polaris Studio** **Co-Founder**
Now A startup company aiming to provide software consultant and service for startups.
Managed a 10-person team, provided solution frameworks, and tested products.
- 2020.02 – **The Chinese University of Hong Kong, Shenzhen** **Individual Researcher**
2020.06 **Topic:** Bucket-Based Expiration Algorithm: Improving Eviction Efficiency for In-Memory Key-Value Database
Supervisor: Prof. Yeh-Ching Chung.
Accepted by *The International Symposium on Memory Systems (MEMSYS) 2020*.
- 2019.02 – **Shenzhen Research Institute of Big Data** **Individual Researcher**
2020.05 **Topic:** Propose an innovative Ride Sharing Model and a heuristic algorithm.
Supervisor: Dr. Yupeng Li.
Two submitted patterns by Didi Chuxing.
- 2018.09 – **The Chinese University of Hong Kong, Shenzhen** **Research Assistant**
2018.12 **Topic:** AI sentiment analysis of Bitcoin Forum comments. **Supervisor:** Prof. SUI Pengfei.
Applied the latest AI technology (NLP) to analyze the correlation between investors' emotion and the Bitcoin price.
- 2018.06 – **Shenzhen Research Institute of Big Data** **Software Engineer Intern**
2018.08 **Topic:** CUHK(SZ) Campus Heatmap Program.
Designed the user-friendly interface and wrote the program in a 2-person group.

ACHIEVEMENT

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| 2019.12 | The Chinese University of Hong Kong, Shenzhen | <i>Academic Performance Scholarship (Class B)</i> |
| 2019.09 | The Chinese University of Hong Kong, Shenzhen | <i>Dean's List</i> |
| 2019.06 | The Chinese University of Hong Kong, Shenzhen | <i>Undergraduate Research Awards</i> |
| 2019.01 | Interdisciplinary Contest in Modelling (MCM/ICM) | <i>Meritorious Winner</i> |
| | Modeled and solved the evacuation problem of the Louvre in a 3-person team. | |
| 2019.01 | Global AI Transmission Competition | <i>Best Presenter in the Final</i> |
| | Applied AI to improving live streaming quality (e.g. YouTube Live) in a 3-person team. | |
| 2018.12 | The Chinese University of Hong Kong, Shenzhen | <i>Academic Performance Scholarship (Class B)</i> |
| 2018.09 | China Undergraduate Mathematical Contest in Modeling | <i>National Second Prize</i> |
| 2018.09 | The Chinese University of Hong Kong, Shenzhen | <i>Dean's List</i> |
| 2018.04 | National WeChat Mini App Development Contest | <i>Second Prize in South China</i> |
| 2017.09 | The Chinese University of Hong Kong, Shenzhen | <i>Semi-Half Admission Scholarship and Bowen Scholarship</i> |

SKILL

- **Programming Skills:** Python, C, C++, JavaScript, MATLAB, SQL, Go, Java.
- **Frameworks:** MxNet, Numpy & Pandas, React, Django, Flask, Gin, MySQL, Markdown, Latex, Ghost.
- **Languages:** TOEFL: 103 GRE: 321 (152 + 169 + 4.0) College English Test: Level 4 and 6.

REFERENCE LINKS

Personal Homepage: <https://xieguochao.com/> Blog: <https://blog.xieguochao.com/>
GitHub: <https://github.com/XieGuochao/> LinkedIn: <https://www.linkedin.com/in/XieGuochao/>
Apartsa: <https://apartsa.com/>