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 – 2021.05	**The Chinese University of Hong Kong, Shenzhen** 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 – 2019.08	**University of California, Berkeley** **Core courses**: Operating System and System Programming, Game Theory. **GPA: 4.00**

EXPERIENCE

2020.07 – Now	**Apartsa Information Technology Co., Ltd** *CTO* A leading overseas information sharing platform in CUHK(SZ). Recruited and managed an updated technical team; improved the platform with new features.
2019.09 – Now	**The Chinese University of Hong Kong, Shenzhen** *Undergraduate Student Teaching Fellow* **Teaching Courses**: Data and Knowledge Management; Computational Laboratory; Data Structures. Taught tutorials and held office hour for consultation.
2018.04 – Now	**Polaris Studio** *Co-Founder* 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 – 2020.06	**The Chinese University of Hong Kong, Shenzhen** *Individual Researcher* **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 – 2020.05	**Shenzhen Research Institute of Big Data** *Individual Researcher* **Topic**: Propose an innovative Ride Sharing Model and a heuristic algorithm. **Supervisor**: Dr. Yupeng Li. Two submitted patterns by Didi Chuxing.
2018.09 – 2018.12	**The Chinese University of Hong Kong, Shenzhen** *Research Assistant* **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 – 2018.08	**Shenzhen Research Institute of Big Data** *Software Engineer Intern* **Topic**: CUHK(SZ) Campus Heatmap Program. Designed the user-friendly interface and wrote the program in a 2-person group.

ACHIEVEMENT

2019.12	**The Chinese University of Hong Kong, Shenzhen**	
		Academic Performance Scholarship (Class B)
2019.09	**The Chinese University of Hong Kong, Shenzhen**	*Dean's List*
2019.06	**The Chinese University of Hong Kong, Shenzhen**	*Undergraduate Research Awards*
2019.01	**Interdisciplinary Contest in Modelling (MCM/ICM)**	*Meritorious Winner*

2019.01   Modeled and solved the evacuation problem of the Louvre in a 3-person team.

2019.01	**Global AI Transmission Competition**	*Best Presenter in the Final*

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**	
		Academic Performance Scholarship (Class B)
2018.09	**China Undergraduate Mathematical Contest in Modeling**	*National Second Prize*
2018.09	**The Chinese University of Hong Kong, Shenzhen**	*Dean's List*
2018.04	**National WeChat Mini App Development Contest**	*Second Prize in South China*
2017.09	**The Chinese University of Hong Kong, Shenzhen**	
		Semi-Half Admission Scholarship and Bowen Scholarship

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: 323 (V153 + Q170 +A 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/