

JUNTAO ZHAO

Tel: (+86) 15336892103 Email: 117010399@link.cuhk.edu.cn Personal Website: juntaozhao.com

School of Data Science

The Chinese University of Hong Kong, Shenzhen 518116, P. R. China

EDUCATION

B.S. The Chinese University of Hong Kong, Shenzhen

Expected 05/2021

- Major in Computer Science and Engineering
- Average Score 3.7/4, Rank 7/128 (top 5%)

B.S. Exchange Student National University of Singapore

01/2021 - 05/2021

- Computer Security / Interaction Design for Virtual and Augmented Reality / Graduation Design (AI + HPC)

Incoming Ph.D. Student University of Hong Kong

Expected 05/2025

- Dept. Computer Science and Engineering

PUBLICATION

- **Juntao Zhao**, Yuanfang Chi, Zehua Wang, Victor C.M. Leung, and Wei Cai. 2020. CloudArcade: A Blockchain Empowered Cloud Gaming System.(2nd ACM International Symposium on Blockchain and Secure Critical Infrastructure (BSCI '20))

RESEARCH EXPERIENCES

AdaLars Project, The National University of Singapore

HPC-AI Lab, Prof. Yang You

01/2021 - 04/2021

- Proposes a new layer-wise optimizer for the large batch size training of the recommendation model
- Proposes tricks with the optimizer to scale up the mini-batch size from the 32k to the 512k without significant loss of the AUC
- Paper to be submitted to the AAAI.

Cloud-Arcade, The Chinese University of Hong Kong, Shenzhen

Human-Cloud Systems Laboratory, Prof. Wei Cai

12/2018 - 12/2020

- Implemented a token-based blockchain cloud gaming system and published paper for its architecture.
- Working on token-protocol based game-theoretical business model of Cloud-Arcade (extended version as been submitted to top International journal)

Unmanned Ground Vehicle & Unmanned Aerial Vehicle Research Project, The Chinese University of Hong Kong, Shenzhen

Laboratory of Sensing and Communication for Smart City, Prof. Simon Pun

12/2017 - 11/2018

- Constructed real-time car-drone signal telecommunication and implemented heuristic, CVX control route planning methods algorithm
- Improved the accuracy by dealing distortion with snapshot combination and matrix projection

Awards

- National Mathematical Contest In Modeling of China: National Second Price 2019
- Mathematical Contest In Modeling: Honorable Winner 2019
- SSE & SDS Academic Scholarship Recipient, The Chinese University of Hong Kong, Shenzhen 2019
- Dean List, The Chinese University of Hong Kong, Shenzhen 2018 - 2020
- Undergraduate Student Research Scholarship, The Chinese University of Hong Kong, Shenzhen 2018 - 2020
- Muse College Master's List Scholarship: Whole-person Development Star, The Chinese University of Hong Kong, Shenzhen 2020
- Second-Class price of National College Wechat Miniapp Development Competition, South China 2018

SDE Internship Experience

Front-End Developer, Tencent Technology (Shenzhen) Co. Ltd., Shenzhen
Vulnerability Scanning service, Threat Intelligence Cloud Services, Tencent Cloud

09/2020 - 11/2020

- Designed a new overview page for the vulnerability scanning service.
- Implemented an manager page for data aggregation and operation

Full-Stack Developer, Big Data Institution, Shenzhen
Laweb, Jianjun Zhou

06/2018 - 08/2018

- Implemented the WeChat mini-app CUHKSZHEATMAP.
- The product was a huge success and widely reported by media

SELECTED COURSE PROJECT

Virtual Reality and Augmented Reality
Cooking Master Simulator

04/2021

- A VR interactive game simulates the kitchen.
- Earned a third price in the NUS Step semester final project demonstration.
- Demo video: [Link](#)

EXTRACURRICULAR ACTIVITIES

- Certificate of Completion, CCF-Tencent 07/2020 - 08/2020
- Game: Shadow Tiker. Game Jam Competition, lilithgames 07/2020 - 08/2020
- Game: TransHome, (Click to Play), Global Game Jam 01/2019
- President of Computer and Comity 09/2018 - 06/2019
- Co-Founder of Polaris Studio 06/2018

SKILLS

| | |
|---------------------------|---|
| Computer Skills | C/C++, Javascript, Python, MATLAB, Java, R, SQL |
| HCI Related Skills | Web Design/Development (React/Vue), Game Development(Unity, C3) |
| Languages | Chinese (Native), English (Fluent, Toefl-101) |
| Interest | Game Design, Sketch, Hosting |