

ZIYI YAN

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🎓 EDUCATION

Simon Fraser University, Burnaby, Canada Sept. 2021 – Present

Ph.D. Computing Science

- Supervised by Professor Tianzheng Wang
- Grade Point Average: 3.96/4.33

Huazhong University of Science and Technology, Wuhan, Hubei, China Sept. 2014 – June 2018

B.Eng. Electronics and Information Engineering

- Project-based Program for Information Engineering Major (first two years in Software Engineering Major)
- Grade Point Average: 3.71/4

📖 PUBLICATION

Names of myself are highlighted with underline.

OptiQL: Robust Optimistic Locking for Memory-Optimized Indexes Sept. 2023

Ge Shi, Ziyi Yan, Tianzheng Wang

To appear in Proc. ACM Manag. Data, Vol. 1, No. 3 (preprint)

👤 EXPERIENCE

Simon Fraser University Burnaby, Canada

Graduate Student Research Assistant, Data-Intensive Systems Lab Sept. 2021 – Present

- Working on memory-optimized query processing and storage engine

SZ DJI Technology Co., Ltd. Shenzhen, China

Back-end Software Engineer, R&D Department Aug. 2018 – Sept. 2020

- Implemented two projects' back-ends from the ground up in Go with clear architecture for code organization
- Delivered presentations for the teams themed in tech, such as "Go in best practices", "Design principle in Go", "Hexagonal architecture in Go" and "Introduction to NATS"
- Architected the project in hexagonal architecture for decomposition between databases and business logic, which make the project more flexible when requirements are changed
- Refactored a monolith service to a distributed service deployed on Kubernetes with node membership and consistent hashing for workload distribution.

Xiaoan Technology Co., Ltd. Wuhan, Hubei, China

Software Engineering Intern, Software R&D Department May 2017 – Mar. 2018

Xiao'an Technology Co., Ltd. is a startup incubated by Dian Group in Huazhong University of S. & T.

⚙️ SKILLS

- Programming Languages: Go, C/C++, Rust, Python, JavaScript, Node.js, Java, HTML, SQL
- Platform: macOS, Linux
- Development: Web, Network Programming, Cloud Computing

🏆 AWARDS

- Outstanding Contribution Award from Software Department of SZ DJI Technology Co., Ltd. in 2019
- Outstanding Graduate from Huazhong University of S. & T. in 2018
- China National Encouragement Scholarship from Huazhong University of S. & T. in 2015