

JUNFENG YU

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EDUCATION BACKGROUND

- **Central South University (CSU)** Changsha, China
Bachelor of Engineering in Security Information Sept 2019 - June 2023
 - **Courses:** Linear Algebra, Probability And Statistics, Computer Network, Operating System, Database Principle and so on.
 - **Honor:** Outstanding Collegiate Dissertation. (—————)

PROFESSIONAL EXPERIENCE

- **Alibaba (Ant Group) - Alipay Business Line** Hangzhou
Java R&D Engineer Intern at Alipay Nov 2022 - Present
 - **Programmed:** —————
 - **Influenced:** —————
- **Huawei - 2012 Laboratories** Xi'an
Software Engineer Intern at GaussDB Laboratory July 2022 - Nov 2022
 - **Chaired:** Pre-researched the development of database kernel trimming to solve the problem of insufficient memory in special scenarios by conserving database running memory footprint to 10% of the original.
 - **Presentation:** The only Gauss SWE intern to present project demo and keynotes to four project leaders at Xi'an base.
- **ShardingSphere - Open Source Promotion Plan** Remote
Student Developer July 2022 - Oct 2022
 - **Development:** Designed a test engine to dynamic load over 110,000 SQL cases from MySQL & PostgreSQL for SQL parser parameterized test within 2 minute, and integrated the test at remote, manually at local as well.
 - **Optimization:** Migrated test-coverage reports from Travis to GitHub Action and reduced CI cost time by at least 3-5 minutes.
- **Vehicle Re-identification Defence System** Changsha
Research Assistant at the Systems Security Lab, CSU Nov 2020 - Nov 2021
 - **Tasks:** Participated in building the feature extraction & related testing of vehicle re-identification defence system based on Transformer, and independently designed the island of GLOM by Python.
 - **Researched:** Reported 2 papers at the group per 2 weeks, and self-researched on the interpretability of neural network.

PUBLICATION & PATENTS

J., Yu, Q., Zhao, W. and Zhuang et al., “Decision and Evaluation of Ordering and Transshipment Schemes Based on Multi-objective Programming,” 2021 5th Annual International Conference on Data Science and Business Analytics (ICDSBA), 2021, pp. 474-478, doi: 10.1109/ICDSBA53075.2021.00097.

Junfeng Yu et al., “The Research of RoboCup2D Player Shooting Technique Based on Fuzzy Control,” International Conference on Robotics Automation and Intelligent Control (ICRAIC 2021), 2022 J. Phys.: Conf. Ser. 2203 012059.

Junfeng Yu, (2022). *Darker Corners of Go (Chinese Version)*. Beijing: Turing (Under Review)

PROJECTS

- **MIT 6.824** Oct 2022 - Nov 2022
Solo Developer
 - —————
 - —————
- **Netpoll - CloudWeGo** July 2022 - Sept 2022
Awesome Contributor (Nomination)
 - Formalized a pure Golang SDK version (without CGO) of the high-performance io.uring I/O poller.
 - Approximately 3 times improvement compared to epoll, implemented default POLL for poller using io.uring.
- **RoboCup China Open 2D Soccer Simulation** May 2021 - Spet 2021
Varsity Captain of the Team Yunlu, CSU
 - Accelerated the control mechanism and strategy to increase shot hit rate by 21.36% with certain robustness.
 - Won 2nd price on RoboCup China Open 2D Soccer Simulation and published one paper as the first author in ICRAIC 2021.

ACTIVITIES & AWARDS

Awards: 2 National Awards(2nd Prize of RoboCup China Open 2D Soccer Simulation, and Outstanding Completion of 2021 CASTIC), 3 Provincial Awards(2nd Prize of the 14th Challenge Cup for College Student, 2nd Prize of the 7th Internet+ CCB Cup for College Student, and Grand Prize of the 15th Shenghua Cup for College Student), several Shool-Level Awards, etc.

Organizations: The president of the school-funded Apple Lab for Apple Tech Talk; The captain of the school-funded team Yunlu for RoboCup; The grade president of the Computer Science Department for department-level activities.

SKILLS

Programming Language: Golang(40k LOC), Java(20k LOC), C/C++(20k LOC), JavaScript, Python, ANTLR4

Familiar Framework & Skillset: Database Kernel Dev (C/Java/ANTLR4), Infrastructure Dev (Golang), Web Dev (Java/Golang)