Kaipeng Wang

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Education

Johns Hopkins University, MSE in Computer Science   August 2023 – May 2025
- GPA: 3.7/4.0
- **Coursework:** Computer Architecture, Artificial Intelligence, Computer Network, Blockchain, Parallel Computing for Data Science

Henan University of Technology, BS in Internet of Things   August 2019 – July 2023
- GPA: 3.7/4.0
- **Coursework:** Operating system, Data Structure, Algorithm Analysis and Design.

Work Experience

Software Engineer, Alipay – HangZhou, China   Jul 2023 – Jan 2024
- Automated Management of Alipay Fund Supply Labels improving labeling efficiency by 200%.
- Construction of AIGC System for Alipay Fund-related Recommendation words improving efficiency by 40%.
- Recommendation and Filtering of Alipay Funds according to the keywords ensuring that users only see funds that meet their criteria or interests.

Software Intern Engineer, Dora – Beijing, China   Jul 2022 – Jan 2023
- Handling prevention of excessive sharding in ElasticSearch.
- Designed and implemented a full-stack log tracing system based on Elasticsearch with unique traceId to track requests, enhancing system troubleshooting efficiency.
- Developed user-required no-code scripts using Groovy, such as email verification.
- Modification of project query architecture (Achieving the concept of workspace and enhancing related logic).

Software Intern Developer, JD.com, Inc – Beijing, China   Sept 2021 – Nov 2021
- Implementation of relevant interfaces of "new credit platform" and "credit change" in JD's "credit platform".
- Development of "chaos blade" (online).

Projects

GoRedis   GitHub Repo
- Implementing AOF (Append-Only File) data persistence to prevent data loss due to server restart.
- Implementing basic Redis commands of string such as SET, GET, INCRBY, APPEND, STRLEN, MSET, MGET, etc.

Clue-Less Game   Online Display
- Implement third-party login using OAuth (GitHub, Google).
- Design the storage of user actions using JSON (e.g., current location, movement direction, game items).
- Deploy the project using PaaS (Vercel).
- Tools Used: JavaScript, Next.Js.

hertzbeat   GitHub Repo
- Improvement in user login authentication.
- Implementation of WeChat alerting feature.

gson   GitHub Repo
- Fix errors in time caused by different time zones.
- Modify DateFormat-related content.

Technologies

Software: Java and related frameworks (such as Spring Boot), Go.
Middleware: MySQL, PostgreSQL, Redis, RabbitMQ (or similar like RocketMQ), Nginx.