Liquan Wang

2002-04-18 liqwang2@gmail.com liqwang3
liqwang2 liqwang liqwang liqwang.github.io

Experience

Meituan - Shared Bike — Beijing, China

Backend Engineer Jul. 2024 – Present

- Participated in the development of toG dataflow system, which processes and pushes the high-concurrency real-time dataflow from the consumer side to various government regulatory platforms, to meet target regions' entrance regulatory requirements.
- The dataflow system has been adapted to over 300 regulatory platforms in various regions across the country. In order to solve the low adaption efficiency problem, I did the following works: 1) decouple the data process pipeline into **modular procedures**, 2) refactor high-frequency business logics into **reusable components**, and 3) collaborate with frontend engineer to implement the **web page configurations** of the procedures and components. These optimization efforts ultimately shortened the average development time of adaption requirements by **30%**.

Meituan - Shared Bike — Beijing, China

Backend Engineer Intern Apr. 2023 – Aug. 2023

Involved in the development of **consumer-side** backend platform related to **marketing and growth**: riding card sales campaigns, refinement marketing with ECA, A/B testing, etc. Finally, I got the **return offer** with excellent performance during the internship.

Education

Southern University of Science and Technology — Shenzhen, China

B.Eng. in Computer Science and Engineering Sep. 2020 – Jul. 2024

GPA 3.77/4.00 (top 15%), major courses: Software Engineering, Computer Network, Data Structures and Algorithms, Compilers

Projects

SPL Compiler — liqwang/CS323-Compiler-Project

Oct. 2023 – Jan. 2024

The Compiler course project: SUSTech Programming Language(SPL) is a simplified version of the C programming language.

- The frontend of `splc` is based on **Flex** and **Bison**, which implements the lexical, syntax and semantic analysis, and generates Three Address Code(TAC) as the Intermediate Representation(IR).
- The backend of `splc` is written in Python, which parses the TAC and generates the MIPS32 assembly code, with the implementation of register allocation and procedure call convention.

Decentralized Crowd Funding Platform — liqwang/crowd-funding

Apr. 2024 – May 2024

My graduation project: A decentralized crowd-funding platform based on **Ethereum** Smart Contract.

- The on-chain contract is written in **Solidity**, which is tested and deployed on the Sepolia testnet using the **Hardhat** framework.
- The frontend is built with **Next.js** and **Tailwind CSS**, uses **daisyUI** component library to develop fastly, also uses **Wagmi** and **Viem** to interact with the on-chain smart contract.

Skills

I have 4 years of programming experience, with curiosity for cutting-edge technologies. I'm willing and able to quickly learn new languages, technologies and businesses, and quickly get started with project requirement development.

Languages Java, Python, JavaScript, TypeScript

Tech Stacks SpringBoot, SQL, Git, Linux, Docker, Nginx, Redis, Kafka, Prometheus, CI/CD

Others

- I scored 510 on CET-6 and can read/write English documentation fluently.
- I participated in the USTC Hackergame 2023 CTF↗, and got the 10th place in my university↗.
- During daily coding, I often use AI tools such as Cursor and v0 to assist in development.
- I have a certain obsession with code cleanliness and like to pursue simple and elegant feature implementation.
- I'm an **ACG Fan**(since 2015) and an active player in my university's **Minecraft** redstone server. My Minecraft journey started at version 1.8.

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工作经历

美团-共享单车 中国·北京
后端开发工程师 2024.7 – 至今

- 参与 toG 业务后台开发，将高流量 C 端实时数据流经过系统处理推送至各地政府监管平台，以满足准入合规要求
- 系统已对接全国各地区 300+个监管平台，为解决对接效率底的问题：1)将数据推送过程进行**步骤解耦**，2)将高频业务逻辑抽象为**可复用组件**，3)与前端研发合作实现流程和组件的页面**配置化**，最终将对接需求的平均研发时长**缩短 30%**

美团-共享单车 中国·北京
后端开发工程师（实习） 2023.4 – 2023.8

参与 C 端后台开发，具体涉及**营销增长**业务：卡券售卖活动、ECA 精细化营销、A/B 测试等，表现优异**获得转正 Offer**

教育

南方科技大学 中国·深圳
计算机科学与技术·学士 2020.9 – 2024.7

GPA 3.77/4.00 (top 15%)，主修：软件工程、计算机网络、数据结构与算法、编译原理、操作系统

项目

SPL 编译器 liqwang/CS323-Compiler-Project
2023.10 – 2024.1

编译原理课程项目：SUSTech Programming Language(SPL)是自定义的极简版 C 语言

- `splc` 的前端使用 Flex 和 Bison 实现了 SPL 的词法分析、语法分析、语义分析，并生成三地址码作为 IR
- `splc` 的后端使用 Python 解析 IR 并生成 MIPS32 汇编，实现了寄存器分配和调用栈管理

去中心化众筹平台 liqwang/crowd-funding
2024.4 – 2024.5

毕设项目：基于以太坊的智能合约实现了一个去中心化众筹平台

- 链上智能合约使用 Solidity 语言开发，并使用 Hardhat 框架测试和部署于 Sepolia 测试网
- 前端页面基于 Next.js 和 Tailwind CSS 框架，借助 daisyUI 组件库快速开发，并使用 Wagmi 和 Viem 进行合约交互

Git 短链接 liqwang/link
（小玩具） 2025.1

原理：将目标 URL 写入 Git 提交信息中，并存储于 GitHub，再将重定向页面部署于 GitHub Pages，其通过调用 GitHub API 查询目标 URL 从而实现跳转。此种实现方式还可通过 `git tag` 自定义短链 URL

技能

4 年编程经验，对新技术感兴趣，乐于且能快速学习新语言、新技术、新业务，快速上手项目需求开发

编程语言 Java, Python, JavaScript, TypeScript
技术栈 SpringBoot, SQL, Git, Linux, Docker, Nginx, Redis, Kafka, Prometheus, CI/CD

其他

- CET-6 510，**能流畅阅读与编写英文文档**
- 参加 USTC Hackergame 2023 CTF↗，获得校内第 10 名↗
- 善于使用 Cursor、v0 等 AI 编程工具辅助开发
- 有一定的代码洁癖，喜欢追求简洁优雅的功能实现
- **ACG 爱好者**(2015 年入宅)，南科大 **Minecraft** 生电服活跃成员（1.8 版本入坑）