

WENQING LUO

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🎓 EDUCATION

University of Illinois at Urbana–Champaign (UIUC), Illinois, U.S. 2017 – Present
B.E. in Computer Engineering, expected May 2021

👥 EXPERIENCE

Tencent Inc. Shenzhen, China June. 2019 – September. 2019
Golang, Kubernetes, Python, Protobuf Cloud & Smart Industries Business Group (CSIG)

- Implemented a distributed performance testing tool for an inner RPC framework by providing a JavaScript Runtime(ES6+) and realtime serialization(0 reflection)(parsing AST).
- Build several RPC services with Golang, which schedule requests into batches and distribute them to ML engines by message queue.
- Build up a unified log collecting platform by logstash, Elasticsearch and Kibana, implement a Golang SDK.
- Adapt Protobuf+RPC pattern into message queue, and orchestrate auto-scalable ML engines on Kubernetes.

YiWise Inc. Hangzhou, China June. 2018 – September. 2018
Vue, WebSocket, Electron.js, Typescript Software Developer of Summer Intern

Brief introduction: Building an AI call platform application with Vue, as well as a record audio downloader with electron.js.

- Implemented the auth and permission part of the platform.
- Participated in restructure the original codebase with TypeScript.
- Implemented real-time call service by using WebSocket and WebRTC.
- Build up CI/CD pipeline for the front-end application by using docker.

Open Source Contribution for VSCode and FireFox August. 2018 – Present
TypeScript, Electron.js, React Fixed several bugs as well as adding features

Brief introduction: Later 2018, I participated development of the open source project – VSCode, help the team fix several bugs related to git module and search widget. This experience brought me a strong interest in contributing for open source project. In 2019, I joined the Mozilla Developer community, making contribution for FireFox DevTools, which is challenging and also interesting.

QSC Recruit Open Platform May. 2018 – Present
C++, NodeJS, GoLang, gRPC, Major Developer Individual Projects

The project is used for Zhejiang University associations to manage their annual recruitment which supports form edit, interview and association management.

- Divide the large system into several micro-services by using gRPC and Traefik(service mesh + load balancing).
- Implement server side rendering of the form submit page.
- Manage the deployment on clusters by Docker Swarm.

⚙️ SKILLS

- Programming Languages: GoLang = TypeScript = JavaScript > C/C++ > Python
- Platform: MacOS, *nix
- Development: Web Application(Full Stack) (React, Vue, WebSocket, Electron.js), Micro Service(RPC, Docker Swarm, Kubernetes), Database(MySQL, MongoDB, ElasticSearch), Middleware(Redis, Nats), Unix Network Programming(socket(TCP/UDP), Asio).