

# WENQING LUO

✉ wenqing4@illinois.edu · 🌐 Laphets · 📝 Blog · in WenqingLuo

## 🎓 EDUCATION

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

## 👤 EXPERIENCE

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**Tencent Inc.** Shenzhen, China June. 2019 – August. 2019

*Golang, Kubernetes, Python, Protobuf* Intern at *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, which became an inner opensource project in Tencent.
- Build several RPC services with Golang covering more than 30 million target users, which take requests into batches and schedule&distribute them to machine learning 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

Building an AI call platform application with Vue and Typescript, as well as a multi-thread record audio downloader with electron.js.

- Implemented the authentication and permission part of the platform.
- Lead the restructure for 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.

**Recruit Open Platform** May. 2018 – Present

*GoLang, Vue, NodeJS, Docker Swarm, gRPC, Prometheus* Major Developer

The project is aimed at providing a platform for 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 discovery + load balancing).
- Implement server side rendering for the form submit page (running Vue.js on server side).
- Manage the deployment on clusters by Docker Swarm, supporting realtime monitor and alert with Prometheus, Grafana.

## ⚙️ SKILLS

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