

# Feiyang (Maki) XIE

(+1) 206-608-4328 | [makixie1@outlook.com](mailto:makixie1@outlook.com) | <https://maki3cat.github.io/>

Preferred name: Maki; Pronouns: she/her

## SKILLS

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- **Programming Language:**
  - **Golang**, this one I use the most, in ByteDance/personal project; I'm becoming expert at it;
  - **Python**, I use python to practice leetcode and for AI-modeling homeworks at school;
  - **Kotlin/Java** server side, used for some business systems in Airwallex/Alibaba;
- **Distributed Systems:**
  - Workflow/Orchestration(Temporal/Steps), Messaging/Streaming (Kafka), Cache(Redis), DB (MongoDB/MySQL/PostgreSQL), DevOps (Kubernetes/Helm) ;
  - Personal WIP project of [maki-making-Raft](#) ;
- **System Engineering:**
  - **Concurrency**: understand problems of multi-threaded programming (atomicity, data race, order problem); use fluently synchronization primitives, and patterns to solve problems as are shown in [making Raft](#); currently summarizing gradually my learning in this area to [write a book](#);
  - **WIP**: investigating in upcoming courses, labs and personal projects to combine hardware optimization into systems designs e.g. make better use of different levels of cache including memory bank cache, disk efficiency, etc.
- **Designs**: microservice architecture, system designs, testing designs for complex systems;
- **Tools**: rpc(gRPC/thrift), Github/Gitlab, Cursor/Vim, ArgoCD/Prometheus/Grafana;
- **Management/Leadership/Adaptivity:**
  - team leader and project owner at ByteDance — *good at balancing limited resources to push projects forward effectively*;
  - project owner at Airwallex/ByteDance — *good at managing the project at different levels (roadmapping/jira/scrum sprints); figuring out problems/requirements/solutions when things are ambiguous*;

## EDUCATION

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**Ohio State University** (to graduate in Dec2025)

**Current Accumulated GPA: 4.0/4.0**

Master of Computer Science and Engineering

- *Completed: Distributed System, Operation System, Computer Architecture, Programming Languages, Algorithms and Datastructures, Advanced Algorithms, Machine Learning, Natural Language Processing;*
- *Upcoming: Advanced Computer Architecture (programming with GPU and Memory parallelism), Parallel Computing, Advanced Network, Advanced Databases, Compiler, Computer Vision, etc;*

**Sun Yat-sen University**

**GPA: 88/100**

Bachelor of Economics

## FULL-TIME WORK EXPERIENCE (8+ years)

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**Airwallex**

**Shanghai, China**

*Staff Backend Software Engineer*

*Mar.2024 – July.2024*

*Senior Backend Software Engineer*

*Apr.2022 – Feb.2024*

- Develop, review and maintain Temporal-based microservices;
- Self-hosting OpenSourcing Temporal in the CN-AliCloud datacenter within Airwallex on top of Airwallex infrastructure; Testing project and skillset for Temporal cluster;
- Design and developed Kotlin-Kafka-SDK for our data migration project between datacenters;

*Related Skills: Kafka/Temporal/Postgres, Golang/Kotlin, Kubernetes/Helm Chart on GCP with IaC, Testing*

## *Skills*

### **ByteDance**

**Shanghai, China**

*Senior Backend Software Engineer*

*Apr.2020 – Nov.2021*

- Workflow Engine: built a configuration-based workflow engine leveraging the DSL defined by Amazon Steps for the department;
- Led a team of 8 to design and create an *e-commerce platform* from scratch with the order, commodity, finance and promotion subsystems to support the selling of online classes.

*Related Skills: typical workflow platform, mongoDB/sharded-mysql-cluster; e-commerce micro-service platforms, Golang, ByteDanceCloud*

### **Eleme (Alibaba Group)**

**Shanghai, China**

Software Engineer level-3/2

*May.2017 – Dec.2019*

- Responsible for the marketing and promotion systems of the e-commerce platform

*Related Skills: e-commerce micro-service platforms, sharded-mysql-cluster; python/java*

### **Early Experience**

**Shanghai, China 2015-June**

Start-up Group

- doing different things to adapt the needs of the company, clients, market as writing data scripts, small websites, etc