

KEXIN LIU

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Homepage: <https://cola-coding.github.io> (English) ◇ <https://colamini.github.io> (Chinese)

EDUCATION

South China University of Technology (SCUT)

Aug. 2014 - Jul. 2018

- B.Sc in Computer Science and Technology
- GPA: 3.84/4.0, Ranked: 4/150 - Top 3%

PROFESSIONAL EXPERIENCE

South China Digital and AI Research Institute Affiliated with SCUT

Oct 2022 - Present
Senior Full Stack Engineer

- Led AI education platform for 1K+ DAU
- Integrated LangChain RAG, improving accuracy by 20%
- Optimized real-time voice latency to 220ms (WebRTC + WebSocket)

Tencent (WeChat) World's Top 10 Largest Internet Companies

Apr 2020 - Jul 2022
Senior Frontend Architect

- Redesigned Node.js framework for 1B+ MAU mini-program ecosystem
- Developed monitoring SDK handling 2M+ RPM with OpenTelemetry
- Reduced production errors by 20% via TypeScript migration

Meituan (NYSE: MPNG) World's largest on-demand service platform

Nov 2017 - Aug 2019
Frontend Engineer

- Optimized SSR performance for 10M+ UV/month hospitality platform
- Built RBAC system supporting 10+ permission levels

KEY PROJECTS

AI Teaching Assistant

Docker, LangChain, ChatGLM, WebRTC

- Achieved 80% question resolution rate using RAG
- Integrated real-time speech with 200ms latency

Wetel Distributed Tracing System

SDK, OpenTelemetry, Kafka, Grafana

- Reduced MTTR by 15% through full-chain trace analysis
- Designed SDK with μ 3ms overhead

WeChat Open Platform Refactoring

NestJS, Vue3, TypeScript, RPC, protobuf

- Improved build time by 25%
- Implemented cross-team component library with 60% reuse rate

SKILLS

Programming Languages TypeScript, JavaScript, Python

Front-End Vue, React, Next.js, Redux, Webpack, CSS

Back-End Node.js, NestJS, Express, RPC, Protobuf

Cloud & DevOps Docker, CI/CD

AI & ML LangChain, OpenAI API, RAG