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 Oct 2022 - Present
Affiliated with SCUT *Senior Full Stack Engineer*

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

Tencent (WeChat) Apr 2020 - Jul 2022
World's Top 10 Largest Internet Companies *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) Nov 2017 - Aug 2019
World's largest on-demand service platform *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 60% 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 ¡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