

Kairui Liu

Data Analyst (with Visualization Skills)

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EDUCATION

University of Auckland

2022 - 2024

Data Science

🎓 Master Rank --

Southwest University

2019 - 2023

Computer Science(Data Science)

🎓 Bachelor Rank 3%

EXPERIENCE

ByteDance(TikTok) Front-End Development

2022.12 - 2023.04

🔧 Website Translation SDK: Leveraging algorithmic optimizations, we achieved outstanding translation quality and swift load speeds. Inspired by Vue, we boosted mounting speed by 530% and update speed by a staggering 67,400%. The SDK is used within 3 department.

🌈 Completed the reconstruction of the [Volctrans Extension](#). Optimized code isolation for plugin scenarios, front-end security, site adaptation, and cross-platform compatibility. Provided a PDF translation implementation plan and demo.

CERTIFICATES

The 7th China Collegiate Programming Contest Guilin Station

🏆 Gold Award

The 46th ICPC Asia Regional Contest Jinan Site

🏆 Bronze Award

Southwest University National Scholarship for Inspirational Students

2021

University of Auckland Transnational Education Partner High Achiever Award

2022

PROJECTS

🔧 ThreeCraft

Minecraft release based on Three.js.
Released multi-platform and multiplayer gaming. Achieved full-frame rendering of about 200,000 blocks on integrated graphics.
Technology: Three.js, TypeScript, Vite
Links: [GitHub](#) [Preview](#)

📦 micro-vue

Simple Vue.js implementation. Released runtime-dom, runtime-core, reactivity, and compiler-core. The reactivity module passed Vue official tests.
Technology: TypeScript, Jest
Links: [GitHub](#) [Preview](#)

🐱 Animal Ethics & Procurement OA System

Built a platform for school lab ethics review and materials procurement. 10,000 registered students, 20 suppliers, greatly improved lab efficiency.

Technology: Vue3, G2Plot

Links: [GitHub](#) [Preview](#)

📊 Data View

A lightweight data maintenance, analysis, visualization platform. Supports editing, plotting, and export. Ranked 9th in the 2nd ByteDance Youth Training Camp.

Response: data preprocessing module

Links: [GitHub](#) [Preview](#) 👤 admin/123456

SKILLS

😊 85%: JavaScript, TypeScript

😊 80%: Vue.js & React

😊 80%: HTML, CSS, Less, Ajax, jQuery...

😊 80%: Linux useage (DHCP, VSFTP, Samba, Rsync, LNMP, LVS)

😊 60%: Node.js building CRUD Web services

😊 60%: Data visualization frameworks (D3.js & Three.js)

😊 30%: WebRTC APIs.