

Ryotaro Kimura

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Engineer specialising in Human Computer Interaction, Intelligent Machines and Web Development

Experience

Founding Engineer

Rork

Feb 2026 – Present

Hybrid

- Building a vibe coding platform for mobile app development
- Designing and implementing AI agent architecture for app generation
- Developing UX and core product features end-to-end

AI Engineer

StackOne

June 2025 – Feb 2026

Hybrid

- Making unified API platforms AI-friendly for seamless integration with AI systems
- Designing and implementing AI-optimised unified API interfaces for HR technology
- Enhancing unified API accessibility and usability for AI applications and LLMs
- Building intelligent middleware to bridge traditional unified APIs with modern AI frameworks

Open Source Developer

WRTN Technologies

Mar 2025 – June 2025

Remote

- Developing **Agent OS**: OSS for creating AI agents using TypeScript
- Managing community and supporting users
- Enhancing the developer experience of the project
- Writing whitepapers and documentation
- R&D for tool-calling and agent creation

Cloudflare Engineer

NOT A HOTEL Inc.

Jan 2024 – Mar 2024

Japan | Remote

- Developed AI assistant for customer services using Cloudflare Workers, GCP, OpenAI API and React

Full-Stack Engineer

eightis Co., Ltd.

July 2022 – Aug 2023

Japan | Remote

- Launched and developed SHINTAI: a web and iOS based platform for body-alignment training
 - ▶ Web: SvelteKit, Cloudflare Workers and PostgreSQL
 - ▶ iOS app: Swift, SwiftUI and Firebase authentication
 - ▶ Machine learning: fine-tuning of pose detection model and run on CoreML

- Collaboration work with athletes and trainers

Co-Founder and Chief Research Officer

QuantumCore Inc.

Oct 2018 – June 2023

Tokyo, Japan | Remote

- Led R&D of Qore: Reservoir Computing algorithms in C/C++ for embedded devices, achieving **120x faster training** than LSTM
- Launched SLoos: minute-taking app with RC-based speaker detection, reaching **1,000+ installations** and winning Microsoft for Startups partnership
- Built Qore Cloud: no-code tool for fine-tuning RC models using SvelteKit, Prisma, and PostgreSQL

Projects

Open Source Projects

AI Tools

- [ccusage](#) (☆ 13.5k): CLI tool for analysing Claude Code token usage and costs from local JSONL files. Features include daily/monthly/session-based reports, live monitoring, real-time dashboard, model-specific tracking, and cost analysis. Built with TypeScript and designed for incredibly fast and informative insights.
- [SiteMCP](#) (☆ 760): Fetch an entire site and use it as an MCP Server. This tool scrapes pages from a website, converts into markdown files, cache them, and serves them as a local MCP server. It is useful when you ask LLMs to ask questions about a libraries/documentation.
- [curxy](#) (☆ 416): Simple proxy worker for using ollama in cursor. If we want to use local LLM models in cursor, we need to have a proxy between local ollama server and remote cursor server. This tool is a simple proxy worker for that.

Web Development / TypeScript Ecosystem

- [unplugin-typia](#) (☆ 84): A plugin for bundlers to use Typia. Typia is a TypeScript validation library which generates logic from TypeScript type. Before this plugin, it was hard to use Typia in bundlers like vite, webpack, and esbuild. This plugin made a huge impact on the Typia ecosystem.

Zig

- [zigcv](#) (☆ 159): Zig bindings for OpenCV. This project is a wrapper for OpenCV in Zig. It is a good example of how to use Zig with C++ libraries.

For a full list of projects, visit ryoppippi.com/works/oss.

Web Development

- *ryoppippi.com*: My personal website. It is built using SvelteKit, UnoCSS, and custom markdown-it plugins. I wrote all classes by hand. I created this without any AI/LLM tools.

Miscellaneous

- “影のキャンバス- *Silhouette on Canvas*” - Interactive art installation with projection mapping. Created with kinect and Processing.

Publications

- *Artificial Neural Networks for Realized Volatility Prediction in Cryptocurrency Time Series* ISNN 2019: Advances in Neural Networks 2019 (Full papers)
- *An Intuitive Interface for Digital Synthesizer by Pseudo-intention Learning* Audio Mostly 2019 (Full papers)
- *prometheus: A mobile telepresence system connecting the 1st person and 3rd person perspectives continuously* SIGGRAPH Asia 2022 (Poster)

Awards & Recognition

- **TOYOKUMO Thanks OSS Award 2025**: Received **\$3,180** for *ccusage* (AI & Newcomer categories)

Talks

- *AI-Optimised Vim Keybindings: HCI-Driven HITL Interfaces* VimConf 2025
- *Evolution of Claude Code, ccusage, and the Future* Claude Code Meetup Tokyo 2025
- *Neovim for Frontend Developers: Boosting Productivity and Creativity* VimConf 2024
- *Neovim for Web Frontend Developers: Boosting your Dev with some plugins* neovimconf.live 2024

Tech Community Activities

- *vim-jp*: Active contributor writing technical articles and participating in community discussions
- *Svelte Japan*: Active member contributing to Svelte Tokyo meetups and community initiatives

Natural Languages

- English (IELTS 6.5)
- Japanese (Native)

Education

Doctor of Philosophy - PhD (Dropout)

University of Tokyo

📅 Apr 2022 — Mar 2026

📍 Tokyo, Japan

Rekimoto Lab

Master of Applied Computer Science

University of Tokyo

📅 Apr 2019 — Mar 2022

📍 Tokyo, Japan

Applied Computer Science

Bachelor of Arts

International Christian University

📅 Apr 2015 — May 2019

📍 Tokyo, Japan

Information Science Major, Economics Minor

Dean's List (GPA: 3.86/4)

Exchange Program

The University of Edinburgh

📅 Sep 2017 — May 2018

📍 Edinburgh, UK

School of Informatics