

# Ryotaro Kimura

 m.ryoppippi@gmail.com  ryoppippi.com  @ryoppippi  Ryotaro Kimura

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

## Experience

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### 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

### Freelance Engineer

*Self-Employed*

 May 2023 — Present  Remote

- Teaching and consulting machine learning, web development, and basic Python programming
  - Guided over **40 students**
- Built scalable product management systems using TypeScript, React, Storybook, TailwindCSS, and AWS
- Built B2B SaaS products using React, Next.js and Vercel
- Engineered interactive data-visualisation tools using D3.js, SvelteKit, PostgreSQL

### 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 S100s: 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

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### Open Source Projects

#### AI Tools

- [ccusage](#) (☆ 12.7k): 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](#) (☆ 759): 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](#) (☆ 158): 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](https://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