

# Ryotaro Kimura

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

## Experience

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### AI Engineer

*StackOne*

⌚ June 2025 – Present

📍 Remote

- 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 research and development of Qore: core-algorithms to enhance Reservoir Computing (RC)
- Implemented RC and data preprocessing algorithms in C/C++ for embedded devices (Raspberry Pi, M5Stack), achieving **120x faster training time** compared to LSTM
- Created and presented dozens of PoCs using RC in time-series analysis, audio processing, and image processing
- Launched and operated Sloos: minute-taking app with RC-based speaker detection, reaching **over 1,000 installations** in companies across Japan and winning Microsoft for Startups partnership
- Developed Qore Cloud: web-based no-code tool for fine-tuning RC models using SvelteKit, Prisma, and PostgreSQL

## Projects

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### Open Source Projects

#### AI Tools

- [ccusage](#) (☆ 10.2k): 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](#) (☆ 745): 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](#) (☆ 406): 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](#) (☆ 80): 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.

- [pkg-to-jsr](#) (☆ 27): Zero-config tool that generates `jsr.json` from `package.json`. This tool is useful when you publish node projects into JSR registry.
- [mirror-jsr-to-npm](#) (☆ 17): A tool designed to mirror packages from JSR to npm. It is useful when you want to publish your package to both npm and JSR registries.
- [vim-svelte-inspector](#) (☆ 21): A plugin for Neovim and Vim to integrate with Svelte Inspector or Vue Inspector. When you click a component on the browser, it opens the corresponding component in your vim.
- [sveltweet](#) (☆ 8): A Svelte component for embedding tweets. JavaScript is not required, and it supports both SSR and pre-rendering. It enhances the performance of your website.

## Zig

- [zigcv](#) (☆ 148): 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.
- [nyancat.zig](#) (☆ 23): Running nyancat in your terminal. Written in Zig.

## 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.
- [Vim-JP Radio LP](#): A landing page for a podcast presented by vim-jp community.
- [pr.ryoppippi.com](#): A personal page to list up my recent OSS contributions.

## 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](#) ISBN 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

### 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

## Other Information

### Visa Status

Already have a work permission without restrictions in UK (**spouse visa**)