Ryotaro Kimura Engineer specialising in Human Computer Interaction, Intelligent Machines and Web Development **Experience** ► Built both backend and web frontend using Flask, Angular, MySQL and Azure App Directory Freelance Engineer ► Reached **over 1,000 installations** in companies Self-Employed across Japan May 2023 — Present Remote Won Microsoft for Startups partnership • 2021 - Qore Cloud: a web-based no-code tool for fine-· Teaching and consulting machine learning, web tuning RC models development, and basic Python programming ▶ Guided over **40 students** Education • Built scalable product management systems using Master of Applied Science TypeScript, React, Storybook, and TailwindCSS, hosted on AWS. University of Tokyo · Engineered interactive data-visualisation tools using ☐ Apr 2019 — Mar 2022 Tokyo, Japan D3.js, SvelteKit, PostgreSQL **Applied Computer Science** Cloudflare Engineer **Bachelor of Arts** NOT A HOTEL Inc. International Christian University Japan | Remote ☐ Jan 2024 — Mar 2024 Apr 2015 — May 2019 Tokyo, Japan • Developed AI assistant for customer services using Information Science Major, Economics Minor Cloudflare Workers, GCP, OpenAI API and React Dean's List (GPA: 3.86/4) **Full-Stack Engineer Exchange Program** Eightis Inc. The University of Edinburgh **♀** Japan | Remote ☐ July 2022 — Aug 2023 ☐ Sep 2017 — May 2018 Edinburgh, UK • Launched and developed Shintai: a web and iOS based **School of Informatics** platform for body-alignment training Web: SvelteKit, Cloudflare Workers and PostgreSQL **Publications** • iOS app: Swift, SwiftUI and Firebase authentication ► Machine learning: fine-tuning of pose detection model · Artificial Neural Networks for Realized Volatility Prediction in Cryptocurrency Time Series ISNN 2019: and run on CoreML Advances in Neural Networks 2019 (Full papers) Collaboration work with athletes and trainers • An Intuitive Interface for Digital Synthesizer by Pseudo-Co-Founder and Chief Research Officer intention Learning Audio Mostly 2019 (Full papers) QuantumCore Inc. • prometheus: A mobile telepresence system connecting the Oct 2018 — June 2023 Tokyo, Japan | Remote 1st person and 3rd person perspectives continuously SIGGRAPH Asia 2022 (Poster) • Worked on Qore: the core-algorithms to enhance Reservoir Computing(RC) Natural Languages • 2018 - 2019: Implement RC and data preprocessing algorithms originally written in Python to embedded English (IELTS 6.5) / Japanese (Native) devices using C/C++ **Talks** • Achieved 120x faster training time compared to LSTM and enabled deployment on embedded devices, · VimConf 2024 including Raspberry Pi and M5Stack.

- neovimconf.live 2024
- TEDxYouth@Tokyo 2013

Tech Community Activities

vim-jp / Svelte Japan

Other Information

Visa Status

• 2018 - 2023: Created and presented a dozens of PoCs

• 2020 - 2023: Launched, developed and operated Sloos: a

application. Developed in a month with learning and

Applied speaker-detection algorithm with RC to

automatically generate meeting minutes ► My first experience of developing a full-stack

using RC, mainly in the field of time-series, audio

processing, and image processing

minute-taking app for remote workers

launched the app on May 2020

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