## 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 ► Achieved **over 1,000 installations** of the note-taking Self-Employed app, sloos, in companies 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 • Involved in the development of product management Education systems using TypeScript, React, StoryBook and **Master of Applied Science** TailwindCSS running on AWS · Worked on data-visualization tools using D3.js, University of Tokyo SvelteKit, PostgreSQL, and Cloudflare Workers ☐ Apr 2019 — Mar 2022 Tokyo, Japan Cloudflare Engineer **Applied Computer Science** NOT A HOTEL Inc. **Bachelor of Arts** ☐ Jan 2024 — Mar 2024 Japan | Remote International Christian University • Developed AI assistant for customer services using Apr 2015 — May 2019 Tokyo, Japan Cloudflare Workers, GCP, OpenAI API and React Information Science Major, Economics Minor **Full-Stack Engineer** Dean's List (GPA: 3.86/4) Eightis Inc. **Exchange Program** Japan | Remote ☐ July 2022 — Aug 2023 The University of Edinburgh • Launched and developed Shintai: a web and iOS based **□** Sep 2017 — May 2018 Edinburgh, UK platform for body-alignment training School of Informatics ► Web: SvelteKit, Cloudflare Workers and PostgreSQL • iOS app: Swift, SwiftUI and Firebase authentication **Publications** ► Machine learning: fine-tuning of pose detection model and run on CoreML · Artificial Neural Networks for Realized Volatility Prediction in Cryptocurrency Time Series ISNN 2019: · Collaboration work with athletes and trainers Advances in Neural Networks 2019 (Full papers) Co-Founder and Chief Research Officer • An Intuitive Interface for Digital Synthesizer by Pseudo-QuantumCore Inc. intention Learning Audio Mostly 2019 (Full papers) Tokyo, Japan | Remote Oct 2018 — June 2023 • prometheus: A mobile telepresence system connecting the 1st person and 3rd person perspectives continuously · Worked on Qore: the core-algorithms to enhance SIGGRAPH Asia 2022 (Poster) Reservoir Computing(RC) • 2018 - 2019: Implement RC and data preprocessing Natural Languages algorithms originally written in Python to embedded devices using C/C++ English (IELTS 6.5) / Japanese (Native)

- Attained 120x faster training time compared to LSTM and enabled deployment on embedded devices, including Raspberry Pi and M5Stack.
- 2018 2023: Created and presented a dozens of PoCs using RC, mainly in the field of time-series, audio processing, and image processing
- 2020 2023: Launched, developed and operated Sloos: a minute-taking app for remote workers
  - Applied speaker-detection algorithm with RC to automatically generate meeting minutes
  - My first experience of developing a full-stack application. Developed in a month with learning and launched the app on May 2020.

- Talks
- · VimConf 2024
- neovimconf.live 2024
- TEDxYouth@Tokyo 2013

## **Tech Community Activities**

vim-jp / Svelte Japan

## **Other Information**

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