





Ryotaro Kimura

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

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

Experience

Research Assistant

University of Tokyo

 Apr 2022 — Present  Tokyo, Japan | Remote

Instructor

AI Academy Inc.

 May 2021 — Present  Remote

Engineer

NOT A HOTEL Inc.

 Jan 2024 — Mar 2024  Japan | Remote

Engineer

Eightis Inc.

 July 2022 — Aug 2023  Japan | Remote

Co-Founder and Chief Research Officer

QuantumCore Inc.

 Oct 2018 — June 2023  Tokyo, Japan | Remote

- Specialized in Reservoir Computing (RC) for time series data
- Led projects implementing faster and more accurate ML models than traditional deep learning

Research Intern

Digital Garage (DG Lab)

 June 2018  Tokyo, Japan

Engineer Intern

Line Corp

 Aug 2017  Tokyo, Japan

Education

Master of Applied 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
- GPA: 3.86
- Dean's List recipient
- Thesis: Predicting Cryptocurrency Time Series Volatility using ML Methods

Exchange Program

The University of Edinburgh

 Sep 2017 — May 2018  Edinburgh, UK

School of Informatics

Technical Skills

Frontend

- Svelte, SvelteKit, Angular, React, SolidJS

Backend

- Flask, FastAPI, MySQL, PostgreSQL, Redis, SQLite

Machine Learning

- Numpy, JAX, Tensorflow2.x, Pytorch, OpenAI API

Languages

- HTML, CSS, JavaScript, TypeScript
- Python, Zig, C, C++
- Octave, SQL, Lua, Go, Rust

Hardware

- Arduino, Raspberry Pi, Jetson Nano, M5Stack

Cloud

- Azure, Cloudflare, AWS

Publications

Conference Proceedings

- *Artificial Neural Networks for Realized Volatility Prediction in Cryptocurrency Time Series*

ISNN 2019: Advances in Neural Networks 2019

- *An Intuitive Interface for Digital Synthesizer by Pseudo-intention Learning*

Audio Mostly 2019

Posters

- *Prometheus: A mobile telepresence system connecting the 1st person and 3rd person perspectives continuously*

SIGGRAPH Asia 2022

Speaking

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

Awards

- ICU Excellence in Research Award (2019)
- *ICU Dream Competition Silver Award* (2016)

Languages

- Japanese (Native)
- English (IELTS 6.5)

Other Information

Work permission without restrictions in UK (spouse visa)