





# 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

### Visa Status

Work permission without restrictions in UK (spouse visa)