

Ryusei Yamaki

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EDUCATION

Waseda University

Apr. 2024 – Mar. 2028

Bachelor of Arts in Economics

Tokyo, Japan

- Relevant Coursework: Data Science, Causal Inference, Econometrics.
- **Research:** "AI Hype and Electricity Demand" - Authored a time series analysis using VAR models to evaluate the causal relationship between NVIDIA stock returns and US electricity demand.

Shibuya Makuhari High School

Apr. 2020 – Mar. 2023

High School Diploma

Chiba, Japan

PROJECTS

Gara | *Swift, SwiftUI, MVVM, Machine Learning*

Present

- Engineering a cross-category social application for aesthetic discovery using SwiftUI and an MVVM/Redux-lite architecture.
- Implementing a two-phase machine learning recommendation engine utilizing content-based filtering and collaborative filtering.
- Integrating Generative AI to create dynamic, personalized lookbooks based on granular user preference vectors.

Tuitta | *Swift, SwiftUI, SwiftData*

Present

- Engineering a 100% offline, privacy-focused journaling iOS application featuring a dual-feed system mimicking standard social media UX.
- Leveraging SwiftData for persistent local storage, efficiently handling complex relationships and large media files without cloud integration.
- Designing a localized algorithmic feed ("For You") prioritizing recent entries, keyword affinity, and randomized discovery.

EXPERIENCE

Software Engineering Intern

Mar. 2025 – Sep. 2025

Hatsumei Labor Corp.

Shinjuku-ku, Tokyo

- Engineered a scalable automated TikTok video generation pipeline using Python APIs, integrating LLM-based text generation, text-to-speech synthesis, and video models to produce brand-tailored short-form content.
- Conducted comprehensive market research to identify key opportunities for expansion into the US market.

Professional Photographer (Airbnb Experience)

Oct. 2025 – Present

Self-employed

Tokyo, Japan

- Founded and manage an independent photography service for international clients, overseeing marketing, scheduling, and end-to-end business operations.

TECHNICAL SKILLS

Languages: Japanese (Native), English (Bilingual)

Technical: Swift, SwiftUI, SwiftData, Machine Learning, MVVM, Python, R, Generative AI & API Integration, Data Science