

# Teruki Yamaguchi (山口 輝樹)

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## Summary

Full-stack engineer specializing in serverless, event-driven backends and Flutter apps. Led and mentored team of 3-6 part-time engineers, focusing on improving team productivity by addressing bottlenecks and standardizing skill levels. Continuous learner who takes full ownership of outcomes and drives initiatives through to delivery.

## Education

· **Kyoto University, Graduate School of Engineering — Master of Engineering** Apr 2025 – Mar 2027 (Expected)  
Department of Civil and Earth Resources Engineering

· **Kyoto University, Faculty of Engineering — Bachelor of Engineering** Apr 2021 – Mar 2025  
Department of Civil, Environmental and Resources Engineering  
Bachelor Thesis: Automated Missing Value Imputation of Multi-Point River Flow Data

## Experience

### whicker Inc. Software Engineer (February 2024 - Present)

- Leading a development project team of 3 part-time developers to build a smartphone application for matching elderly people with students using Flutter and Firebase.
- Implemented core features to automate manual matchmaking and administration after analyzing existing workflows and defining requirements, boosting operational efficiency and enabling business scalability.
- Built an internal SDK for easy pub/sub and task queue workflows, significantly improving team productivity by enabling all members to independently develop backend features without deep server-side technical knowledge.
- Standardized code quality evaluation criteria to align technical levels across team members, reducing the number of Pull Request review comments to 1/3.

### Studio Radish Inc. Software Engineer (May 2022 - Present)

- Leading a team of 6 part-time developers in building a web-based whiteboard application.
- Implemented parallel processing using Web Workers, improving rendering frame rate by approximately 3× compared to the previous implementation.

### Personal Project: Documentation-AI (Aug-Sep 2023)

- Developed a CLI tool that analyzes Python code dependencies by parsing AST and generates context-enriched documentation using large language models (LLMs).
- Received the corporate award from GMO Internet Group at the technical pitch contest "技育展 2023".

## Skills

- **Languages:** Japanese (Native), English (Business Level)
- **Technical Skills**
  - **Programming Languages & Frameworks:** TypeScript (Next.js, Node.js/Express), Flutter, Python, SQL
  - **Infrastructure & CI/CD:** Firebase, Google Cloud, AWS, Docker, GitHub Actions
  - **Data Analysis & Machine Learning:** Python (scikit-learn, pandas, numpy, matplotlib, Jupyter Notebook)
  - **Architecture & Design Patterns:** Serverless, Event-Driven architecture, DDD, TDD, CQRS
- **Certifications & Awards:**
  - TOEIC L&R 840 (May 2024)
  - 技育展 2023 Corporate Award (GMO Internet Group) (\*技育展: technical pitch contest)