Shota Shiiku

SOFTWARE ENGINEER / PHD CANDIDATE

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Profile

I'm a **Software Engineer and Researcher** who bridges **AI engineering and cognitive science**. At **ExaWizards Inc.**, I led the 0 to 1 development of an **AI SaaS product**, overseeing both React and Django architecture and becoming **Tech Lead within six months**. My research at the **Max Planck Institute in Germany** explored **creativity and social dynamics using Large Language Models**, resulting in ongoing international collaboration. I'm driven by curiosity and impact, with strengths in **full-stack development, AI infrastructure, and research-driven problem-solving**.

Links

https://shiiku419.github.io/   https://www.linkedin.com/in/shotashiiku/

Work Experimence

Software Engineer, Exawizards Inc.

Apr 2025 — Present

Lead development for AI SaaS Product.

- Led development from 0 to 1 phase for an AI SaaS product, implementing 46% of the entire codebase.
- Oversaw both frontend (React) and backend (Django) architecture design, infrastructure setup, and release pipeline.
- Promoted to Tech Lead within six months of joining as a new graduate, managing a tiny team.

Research Internship, Max Planck Institute for Empirical Aesthetics

Apr 2024 — Jul 2025

- Conducted research at the intersection of Cognitive Science and Artificial Intelligence, focusing on creativity and social network dynamics using Large Language Models.
- Established ongoing international collaboration with researchers to extend this line of work beyond the internship period.

Full Stack Engineer Internship, Metadata Inc.

Jul 2020 — Mar 2025

- Built and maintained end-to-end product features across frontend, backend, and infrastructure.
- Contributed to the design of scalable data pipelines and search systems.
- In the latter half of tenure, led engineer mentoring and onboarding, fostering a collaborative development culture.

Education

Doctor of Computer Science, Shizuoka University

Apr 2025 — Present

Master of Informatics, Shizuoka University

Apr 2023 — Mar 2025

Bachelor of Informatics, Shizuoka University

Apr 2019 — Mar 2023

Skills

Python

Ruby on Rails

Reinforcement Learning

Deep Learning

Kotlin

Typescript

Selected Publications

The Dynamics of Collective Creativity in Human-AI Hybrid Societies

Shota Shiiku, Raja Marjieh, Manuel Anglada-Tort, and Nori Jacoby

In Proceedings of the Annual Meeting of the Cognitive Science Society, 2025

Exploring the Mutual Adaptation of Large Language Models and Emergent Decision-Making in Simulated Small Group Interactions

Shota Shiiku, and Yugo Takeuchi

In 12th International Conference on Human-Agent Interaction 2024

Reducing Discomfort by Integrating Unpleasant Environmental Sounds with Cognitive Sound Control

Shota Shiiku, and Yugo Takeuchi

In 53rd International Congress & Exposition on Noise Control Engineering 2024