Haruki Yasui

Tokyo, Japan | haruki.y@toki.waseda.jp | +81-70-8522-3212 | Portfolio | LinkedIn

Research Interests

Computer Graphics, Computational Design, Computational Fabrication

Education

Waseda University Apr 2023 – Present

Department of Intermedia Art and Science

- GPA: 3.74/4.00 (Ranked 1st in department)
- Fukusato Laboratory (Computer Graphics and Fabrication)

Awards & Certifications

Scholar (37th Term), Yamada Osamitsu Scholarship Foundation Apr 2026 – Mar 2027

Scholar, The Keyence Foundation Apr 2026 – Mar 2027

Participant, Kyoto University Technology Innovation Course Oct 2025 – Jan 2026

- Completed the specialized course on technology-driven business innovation

Tokyo Private School Foundation Encouragement Award Mar 2023

- Awarded upon graduation from Waseda Jitsugyo High School for outstanding achievement

EIKEN Test in Practical English Proficiency Grade Pre-1 Mar 2023

TOEFL iBT 4.5/6.0 (90/120) May 2026

Experience

Visiting Scholar Jul 2026 – Oct 2026

Carnegie Mellon University, Robotics Institute (Textiles Lab) – Pittsburgh, PA

Engineering Internship Jan 2026 – Mar 2026

Vareal K.K.

- **Project:** Participated in the "nexia-erp" project. Developed a web application for a Marketing Automation (MA) platform and built a lead-generation website using AI coding assistants.
- **Skills:** Ruby, HTML, CSS, JavaScript, Git, Google Analytics (GA4), Google Tag Manager (GTM), Claude Code, Claude

Publications

Optimizing Additional Weight for Free-Formed Marching Rifles

- **Haruki Yasui**, Tsukasa Fukusato
- Accepted as a Late Breaking Paper at The 9th IIEEJ International Conference on Image Electronics and Visual Computing (IEVC 2026)

Performer-Oriented Design and Fabrication for Free-Form Marching Rifles

- **Haruki Yasui**, Tsukasa Fukusato
- Planned submission to Computers & Graphics (year-round Shape Modeling track, with presentation at SMI upon acceptance)

Hiding Data in Knitting, Sewing, and Braiding

- **Haruki Yasui**, James McCann
- Accepted as a Poster at The 11th Annual ACM Symposium on Computational Fabrication (SCF 2026)