

Yoshiki Yamaguchi

(+1) 9492476780 | yosyamaguchi@ucdavis.edu | [linkedin.com/in/yoshiki](https://www.linkedin.com/in/yoshiki)

SKILLS

Programming

- Proficient: Python, SQLite, Git
- Intermediate: C, Java
- Basic: MATLAB

PUBLICATION AND PRESENTATION

- Ryozo. M, Sanggeon. Y, **Yoshiki. Y**, Mohsen. I, “PV-VTT: A Privacy-Centric Dataset for Mission-Specific Anomaly Detection and Natural Language Interpretation,” *IEEE/CVF Winter Conference on Applications of Computer Vision*, 2025. (Dataset Available [Here](#))
- **Yoshiki. Y**, Yuki. U, Takumi. M, Taku. Y, Ryoichi. S, “Real-Time Recursive Point Cloud Prediction for Interpolating Anomalous Frames,” *IEEE 43rd International Conference on Consumer Electronics*, 2025.
- Yuki. U, Junya. S, **Yoshiki. Y**, Takumi. M, Taku. Y, Ryoichi. S, “Quantitative Reliability Assessment for 3D LiDAR Point Cloud Data Frames,” *IEEE 43rd International Conference on Consumer Electronics*, 2025.
- **Yoshiki. Y**, Yuki. U, Takumi. M, Taku. Y, Ryoichi. S, “Initial Evaluation for Interpolating Anomalous Point Cloud Frames Based on Point Cloud Prediction,” Poster Presentation at *IEICE RISING*, 2024.
- **Yoshiki. Y**, Takuya. H, “Examination of Identification Method of Building Usage Nationwide,” Presentation at *THE 31ST SYMPOSIUM OF TECHNICAL COMMITTEE ON SOCIAL SYSTEMS*, 2023.

RESEARCH EXPERIENCE

Undergraduate Researcher

Apr 2024 – Present

Advisor: Dr. Taku Yamazaki and Dr. Takumi Miyoshi

Shibaura Institute of Technology, Saitama

Developing a method to interpolate anomalous frames in sequential point cloud frames collected by LiDAR sensors based on point cloud prediction.

Undergraduate Internship Researcher

Jan 2024 – Jul 2024

Advisor: Dr. Mohsen Imani

University of California, Irvine, CA

Developed PV-VTT, a privacy-centric dataset for mission-specific anomaly detection and natural language interpretation.

Undergraduate Internship Researcher

Sept 2022 – March 2023

Advisor: Dr. Takuya Harada

Shibaura Institute of Technology, Saitama

This study aimed to correct population data misallocation by surveying residential land use trends and using national land maps to create accessible maps with building use information.

PROJECTS

Implementation of HDGIM sequence matching | *Python*

University of California, Irvine, 2024

- I implemented genome sequence encoding and HDC library construction in PyTorch, including high-dimensional encoding, library aggregation, and similarity-based sequence matching.
- This project was conducted in the Bio-Inspired Architecture and Systems Laboratory.

Chat Application with Peer-to-peer Communication | *Python*

Shibaura Institute of Technology, 2023

- As leader, I managed scheduling, and back-end development and presented the results. The Python frameworks Flask and SQLite were used in the background. On the front end, we used CSS, HTML, and JavaScript. User interaction was managed using socketio.

ACTIVITIES

Global Consumer Intelligence Course, Summer, 2022

University of Tokyo, 2022

This course teaches practical data science skills through a Kaggle-style competition, covering fundamental data science concepts. **The completion rate for the Summer 2022 course was approximately 25%.**

Certification Program Data Science Practical Course

Waseda University, 2023

This course aims to develop practical data science skills by simultaneously teaching the ‘theory’ of data science and cultivating ‘skills’ applicable in the business field.

WORK EXPERIENCE

Data Scientist and Student Internship

Jul 2025 - Aug 2025

M3, Inc.

Tokyo, Japan

Teaching Assistant

Apr 2024 – Jul 2024

Shibaura Institute of Technology

Saitama, Japan

- Faculty advisor: Dr. Taku Yamazaki
- Name of Class: Information Security
- I provided technical support for classes and assisted in organizing materials to streamline the learning process.

Internship

Sept 2021 – Dec 2021

MOBELL COMMUNICATIONS LTD.

Online

- Internship Director: Declan Somers
- Job description: Learned social business and business English and acquired global business skills.
- Outcome: New proposals to strengthen IT education in Malawi, which is a poor country without internet access.

SCHOLARCHIPS AND AWARDS

Study Abroad Scholarship

Saitama Prefecture, 2025

This is a grant-type (non-repayable) scholarship for highly motivated young individuals with ties to Saitama Prefecture who are pursuing challenges and opportunities abroad. I received a one-time support of \$8,000 from the Saitama Urawa Horse Racing Association, as one of only two selected recipients.

Best Session Presentation Award IEEE 43rd International Conference on Consumer Electronics , 2025

Ganbare! Financial Support for Japanese University Students KEYENCE FOUNDATION, 2023

This scholarship is awarded to university students who are dedicated to their studies and motivated to pursue their goals.

SI Tech Scholarship

Shibaura Institute of Technology, 2022

This scholarship, funded by a donation from SI Tech Corporation, is awarded to students recognized for their outstanding character, academic performance, and proactive participation in extracurricular activities, with the aim of encouraging both academic studies and extracurricular engagement.

EDUCATION

University of California, Davis

CA, USA

Master of Science in Computer Science

Expected Jun 2027

Shibaura Institute of Technology

Saitama, Japan

Bachelor of Engineering in Electronic Information Systems

Apr 2021 - Mar 2025

- GPA: 3.92/4.00
- 9th/116
- Global Program