

# SHAN HEFU

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## 🎓 EDUCATION

**Sophia University**, Tokyo, Japan Apr. 2025 – Mar. 2027 (Expected)

*Master of Science* in Computer Science, Graduate School of Science and Engineering

*Member of* Intelligent Sensing Laboratory

**Teikyo University**, Utsunomiya, Japan Apr. 2021 – Mar. 2025

*Bachelor of Science* in Information and Electronics Engineering

## 🔬 PROJECTS & RESEARCH

**Spherical-aware Masked Autoencoder (Master's Thesis)** Apr. 2025 – Present

Lead research on a novel 360° image completion model, implemented with **PyTorch** and based on **Vision Transformers**.

**Personal Web Page** May. 2025 – Present

Built a static website with **Jekyll**, leveraging core web technologies (**HTML5**, **CSS3**, **JS**) to craft an interactive front-end with **React** and dynamic animations via **GSAP/Anime.js**.

**Online Class Feedback System (Bachelor's Thesis)** Apr. 2024 – Mar. 2025

Developed a full-stack web system with **Python**, **Flask**, and **JavaScript** to analyze and provide feedback on student concentration.

**T-net Quiz System** Fall 2023

Built a web-based quiz system for university students using **Spring Boot** and **MySQL**, covering the entire development cycle.

## ⚙️ SKILLS

- **Programming Languages:** Python, Java, JavaScript, SQL
- **Machine Learning:**
  - **Frameworks:** PyTorch
  - **Libraries:** NumPy, Pandas, OpenCV
  - **Models:** Vision Transformer (ViT), CNN, Masked Autoencoders, NeRF, Stable Diffusion, Transformer
- **Web Development:**
  - **Back-End:** Spring Boot, Flask
  - **Front-End:** HTML5/CSS3, JavaScript, React, GSAP, Anime.js
- **Tools & DevOps:** Git, MySQL, Maven, GitHub Actions, LaTeX

## ♡ HONORS AND AWARDS

Nominee, *Rotary Yoneyama Memorial Scholarship* (Advanced to final interview stage) 2023

Recipient, *Japan Student Services Organization (JASSO) Scholarship* 2021

## 📌 MISCELLANEOUS

- **Languages:** Chinese (Native), Japanese (Fluent), English (Intermediate)
- **GitHub:** github.com/shengruduzhou
- **Interests:** Music (Singing, Piano), Fitness, Sports, Gaming