

Manami Nakagawa

Email: sp20696@bristol.ac.uk | Personal Page: <https://manami-bunbun.github.io/>

Education

University of Bristol - United Kingdom

Expected Graduation: July 2024

Bachelor of Science, Computer Science

Related Courses: Human Computer Interaction, Machine Learning, Image Processing, Software Engineering Project

Research Interests

- AI-mediated communication
- Computer-supported cooperative work (CSCW)
- Human Centered AI

Publications

- *coming soon...*
- *coming soon...*

Research Experience

Students-lead project for IMWUT (UbiComp)

Remote | Jul - Nov 2023

Design and Tech Lead

- Led designing and developing the entire system using LLMs for English-as-a-Foreign-Language (EFL) learners
- Submitted a paper, collaborating with two PhD students from other institutions without any faculties

OMRON SINIC X, Inc.

Hybrid (Tokyo, JP) | Apr - Sep 2023

Research Intern

- Contributed as the first author in collaborative HCI research with the University of Tokyo (Prof. Kuzuoka)
- Led prototype-making and experiments and managed them on schedule
- Implemented three prototypes: desktop, script-based, web application in 6 days, 1day, 1day, respectively

Teaching Experience

The University of Tokyo

Hybrid (Tokyo, JP) | Nov 2022 - Aug 2023

Teaching Assistant

- Facilitated 'Design x Engineering' seminars and workshops, enhancing the learning experience for 500 students

Shinagawa Shouei High School

Tokyo, JP | Apr - May 2021

Part-time Programming Teacher

- Taught 516 students in 13 classes every week with a new syllabus and received a 96% rating from students

Industrial Experience

Google

Tokyo, JP | May - Jun 2023

STEP (Student Training in Engineering Program)

- Selected a training program for the top 40 students and gain skills in algorithms and security

Hackathon & Accelerator Program Participant | The University of Tokyo

Tokyo, JP | Feb - Sep 2023

- **Developer & Project Manager (Feb - Mar 2023):**
Led the development of the mock interview application "[Vinterview](#)" utilizing GPT API at a hackathon, earning the Best Interview Award among 48 groups.
- **Accelerator Program Participant & Project Manager (May - Sep 2023):**
Advanced the "[Vinterview](#)" project at Matsuo Lab, which won 4th place in a competition and obtained selective funding for further development.

Souzoh, Inc. | Mercari group

Hybrid (Tokyo, JP) | Aug - Sep 2022

Software Engineering Intern

Machine Learning Development - [Tech Blog](#)

- Optimized and documented an existing model for predicting a price for listing items

- Received evaluation for my proactive attitude, including careful progress sharing by my mentor and PM

Matsuo Institute, Inc. | Matsuo Lab, The University of Tokyo

Hybrid (Tokyo, JP) | Jun - Sep 2022

Software Engineering Intern

Back-end Development and Data Analysis for a joint research project with a Japanese major publisher

- Implemented a book sales prediction model, automating a work which formerly done intuitively
- Interviewed client's needs and tailored the function in a current-used tool

Planning Inspectorate | Wales government, UK

Bristol, UK | Oct 2021 - June 2022

Team Project in Collaboration with Industry (University Unit)

- Led designing and team development of a web application to enhance customer communication at the Planning Inspectorate of the Wales government (UK)

Projects

Vinterview - [project](#) / [Product Hunt](#)

Mar - Sep 2023

Leader of Customizable GPT-Powered Mock Interview App development

- Created a new app that helps people practice job interviews with customizable pressure level
- Built and launched a beta version of the project within 1 week
- Took charge of planning the app, managing team remote development, presentation, interviews
- Won two prizes at competitions, and received funding from Matsuo Lab, the University of Tokyo

AI checker - [GitHub](#)

May 2022

Leader of team remote development

- Developed a web application for scoring scratches on submitted images using FastAPI, SQLite3 and OpenCV
- Won the 1st Prize among 13 teams at a hackathon

MITOU Jr.

May - Oct 2017

A web application for better student-teacher communication in high schools

- Conducted interview for 100 people to improve the development
- Selected for "Mitou. Jr 2017" with a 25% adoption rate and obtained financial and technical support

Prize & Achievements

Best User Interview Award at a Hackathon (100Program) - "[Vinterview](#)"

Mar 2023

- Awarded a prize among 48 teams at a hackathon, supported by the University of Tokyo

Best Prize at 1week Hackathon (Build@Mercari2022) - [GitHub](#) - "[AI Checker](#)"

May 2022

- Awarded the 1st prize among 13 teams at a hackathon, held by Japanese company Mercari

Natural Language Programming Open Course – The University of Tokyo

Mar 2021

- Completed the course with a 9th place in the final evaluation determined by BLEU

GCI 2020 Summer Open Course – The University of Tokyo

May - Aug 2020

- Modeled Machine Learning for loan repayment prediction in Python and proposed a new business model

Student Award – Kaplan International College London

April 2020

- Nominated for exceptional work and attitude during my foundation year

The Physical Society of Japan Jr.

Mar 2018

- Accepted a single-author paper on the miniaturization of Super-Kamiokande, a neutrino observatory

Volunteer

100 Program

2023 -

Mentor

- Mentored in long-term Hackathon

Technovation Girls

Mar - May 2022

Coding Mentor

- Mentored teenage girls in coding and STEM during a hackathon supported by Google

Technical Skills

Python, Go, Java, C, JavaScript, Haskell

FastAPI, Flask, Spring Boot, SQLite3, MySQL, PostgreSQL, Docker, AWS(EC2), PythonAnywhere, Git, OpenCV, GPT-API