Manami Nakagawa

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Education

University of California, Davis   Sep 2024 -
Doctor of Philosophy, Computer Science
Advised by Prof. Hao-Chuan Wang

University of Bristol   Graduated in July 2024
Bachelor of Science, Computer Science

Research Interests

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

Publications

- Coming soon

Research Experience

OMRON SINIC X, Inc.   Hybrid (Tokyo, JP) | Apr - Sep 2024
Research Intern
- Contributed in collaborative HCI researches with the University of Tokyo
- Co-authored (second) for another full-paper submission

The University of Tokyo   Hybrid (Tokyo, JP) | Jun - Aug 2024
Visiting researcher
- Contributed in collaborative HCI research with Omron SINIC X, Inc.

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
- Led prototype-making and experiments

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

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

Pointfo   Mar - Apr 2024
Leader of Prototyping, Experiment Design and Writing
- Build a prototype to lower the hurdles of information recognition during art appreciation by utilizing pointing gesture
- Conducted a study to investigate prototype's impact on NASA-TLX and Enjoyment
- Led a team writing for CHI-format report

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
- 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

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

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

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