

Ryozo Masukawa

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EDUCATION

- Meiji University Bachelor of Science (Computer Science) 2018 April - 2023 March
Advisor : Tomohiro Takagi at Web Science Laboratory (WSL)
 - Faculty of mechanical engineering and informatics, GPA: 3.81/4.00, 2018 April - 2020 March
 - Faculty of Computer Science, GPA: 3.86 / 4.00, 2020 April - 2023 March
- University of California Berkeley Summer Sessions 2019 May-August GPA: 4.00 / 4.00
- University of California Irvine, Master of Science in Computer Science, scheduled to enroll in September 2023

Awards

- Received Academic Excellence Award at Meiji University on March 26, 2023

RESEARCH EXPERIENCE

Joint full-time research with airCloset, inc 2022 April-2023 March

- Served as a project leader
- Designed models and enforced original research "Clothing design generation according to the fashion trend forecasting result"
- Developed the entire architecture of trend forecasting module and generative module

Joint part-time research with LAC since 2022 September-present

- Surveyed GAN-based tabular data and time-series generation for financial fraud detection

RESEARCH INTEREST

Artificial Intelligence, Computer Vision, Generative Models, Vision Language Models

PUBLICATIONS

- "GAN-based Detailed Clothing Generation System", accepted in The 17th International Conference on Knowledge, Information and Creativity Support Systems (KICSS 2022)

- "Trend Analysis-Based Fashion Image Generation", accepted in The 37th Annual Conference of the Japanese Society for Artificial Intelligence, 2023 (JSAI 2023)

EXTRACURRICULAR WORKS AND INTERNSHIPS

- Member of Integrated Quality(IQ), a Computer Programming Club 2019-2022
 - Taught underclassmen basic concepts of Computer Science in C language
 - Took part in competitive programming web contests
 - Served as accountant officer in final year
- SmartTrade Internship 2020 Feb-April (Aborted Due to the COVID-19 Pandemic)
 - Learned basic python libraries for data analysis and machine learning
 - Worked in a project to develop stock price forecasting algorithm using machine learning
- Android Application Development Volunteer for Ningyocho Town Shopping Board Event 2020-2022
 - Developed and still maintaining an Android application to support annual event in Ningyocho Town
 - Automated sales calculation by using database and created a simple game as a substitute of the event
 - Halved the time for calculating total sales
- Nomura Research Institute(NRI) Internship 2021 August
 - Designed an architecture of an automated secure access log transmission system to the client companies for governmental scrutiny
- Japan Tata Consultancy Services Internship 2021 September
 - Developed a Support Vector Machine based machine learning model for subway passenger population prediction
 - Won the first prize in terms of forecasting accuracy
- Meiji University Study Abroad Advisor 2021 April-2022 August
 - Supported underclassmen willing to study abroad
 - Served as a president of all advisors in 2022

Skills

- Python(pytorch, tensorflow, scikit-learn, pandas, numpy, matplotlib, seaborn, django, selenium, beautifulsoup, 4 years), Java (2 years), C(2 years)
- C++, Scheme, Kotlin
- JavaScript (Node.js, React.js), SQL, Verilog HDL
- Japanese (Native Language), English (Fluent; TOEFL iBT Score : 101), French (Conversation level)