

SATO RINTARO

1st-year Master's student in CS

Key Terms: Computer Vision, Reinforcement Learning, Combinatorial Optimization

Email ◦ 310rnomeado@gmail.com

GitHub ◦ <https://github.com/rintarooo>

LinkedIn ◦ <https://www.linkedin.com/in/rintarooo>

EDUCATION

Tsukuba University

M.E. in Computer Science.

Overall GPA: -

Japan

Apr 2021 - present

Kyushu University

B.E. in Mechanical Engineering.

Thesis Theme: Solving The-Multi Depot Vehicle Routing Problem using Deep Reinforcement Learning

Overall GPA: 3.31/4.00

Japan

Apr 2016 - Mar 2021

TECHNICAL STRENGTHS

Coding

C / C++ / Python3 / MATLAB / PostgreSQL / Shell Script

DL Framework

PyTorch / TensorFlow / Keras

Library

OpenCV / PCL / OpenAI Gym / Scikit-Learn

Other Tools

Linux(Ubuntu) / Docker / Git / Vim / LaTeX / CMake

Launguage

fluent in English(TOEFL iBT: 78/120 / TOEIC: 925/990) / Japanese(native)

INTERNSHIP

Fusic Co., Ltd.

Research Engineer(Computer Vision) in Machine Learning Team

Japan
part-time, Aug 2020 - Sep 2020

- Perform color space conversion to RGB images with LAB / HSV and other image processing.
- Build person's image classification model using Deep Metric Learning / SVM / Decision Tree.

Panasonic R&D Center Singapore(PRDCSG)

Research Engineer(Computer Vision) in Learning&Vision Team

Singapore
full-time, Dec 2019 - Mar 2020

- Work on projects in the following fields, **Video Analysis, Action Recognition**(event scene detection in Basketball videos, surveillance videos of prison).
- Build classification models(e.g., 3D-CNN, Two-Stream model with Optical Flow) on public dataset(e.g., UCF101, UCF-Crime) and our own dataset.
- Research SotA(State-of-the-Art) model architecture and training method, tune hyperparameter, evaluate pre-trained model performance.

ACADEMIC ACHIEVEMENTS

Project 'XYZ' won Best Project under Environmental Solver category under AICTE, Government of India

Received Scholarship For Higher Education(She) Component Under Inspire Scheme worth INR 4,00,000

Achieved A Grade in Diploma in Computer Science from IBM

Won First Prize in Zonal technical quiz Competition Organized by IIT, Mumbai.

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EXTRA-CURRICULAR

Attended a workshop on Machine Learning and artificial intelligence from faculties of IIT Roorkee in 2019 and won zonal round for the challenge presented.

Member of the Institute of Engineers since 2017.

Completed Basic Leadership Training under Project NSS, Gujarat

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RESEARCH PROFILE

Student President, Technology and Research, IIT Gandhinagar

Publication : ABC, IOT IEEE Transactions (Impact Factor: 9.3, Status: Published)

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