

# SATO RINTARO

1st-year Master's student in CS

Key Terms: Computer Vision, Reinforcement Learning, Combinatorial Optimization

Email ◦ [310rnomeado@gmail.com](mailto:310rnomeado@gmail.com)

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

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

## EDUCATION

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**Tsukuba University**

M.E. in Computer Science.

Overall GPA: -

Japan

*Apr 2021 - present*

**Kyushu University**

B.E. in Mechanical Engineering.

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

Overall GPA: 3.31/4.00

Japan

*Apr 2016 - Mar 2021*

## TECHNICAL STRENGTHS

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**Coding**

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

**DL Framework**

PyTorch / TensorFlow / Keras

**Library**

OpenCV / PCL / OpenAI Gym

**Other Tools**

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

**Launguage**

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

## INTERNSHIP

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**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 the 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, tune hyperparameter, evaluate pre-trained model performance.

## ACADEMIC ACHIEVEMENTS

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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

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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

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Student President, Technology and Research, IIT Gandhinagar

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

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