

Takumi Iida

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WORK EXPERIENCE

LPIXEL Inc.

Machine Learning Engineer

Apr 2024 – Present
Remote (Kyoto)

SenseTime Japan Ltd.

Researcher, Research Team, R&D Center

Apr 2020 – Mar 2024
Kyoto

- **Road Detection Project**

- 2D Lane Detection
Mentor of intern (published to MIRU2023)
- Bird's-Eye-View Segmentation
Mentor of another intern (Under Review [[Paper](#)])

- **Fallen Object Detection on Drivable Area**

- Prior Work improvement (Co-Author of NeurIPS2021 Workshop [[Paper](#)])
- Propose and implement the another new methods (Patent: CN116935353A)

- **Highway Project**

- Develop automatic camera calibration and road area estimation
- Bird-Eye-View and Car 3D Box Estimation

- **Company Promotion**

- Virtual Try-on paper introduction [[Blog](#)]
- Zero-Shot Object Detection Survey [[Link](#)] [[Blog](#)] [[Slide](#)]
- INTERN 2.5 @ SSII2023, MIRU2023 [[Slide](#)]

EDUCATION

Ritsumeikan University

Master of Electronic System

Apr 2018 – Mar 2020
Shiga

- **Research Topic:** Data poisoning assumed fault attack on Deep Neural Network (NCSP2020), Fujino Lab.

Ritsumeikan University

Bachelor of Electronic and Computer Engineering

Apr 2014 – Mar 2018
Shiga

- **Research Topic:** Bedside event real-time recognition using thermal sensor with Deep Learning (NCSP2018), Fujino Lab.

SKILLS

Technical Topics : Python, C++, PyTorch, Low-level Image Processing, Geometric Transformation

Research Topics : Fallen Object Detection, Lane Detection, Zero-shot Object Detection

QUALIFICATIONS

- [CG-ARTS] Computer Graphics Engineer Certification Test Expert (2023/12)
- [CG-ARTS] Image Processing Engineer Certification Test Expert (2023/08)
- [ETS] TOEIC L&R 815 (2023/05)
- [JDLA] Deep Learning For GENERAL (Jun 2018)

- [IPA] Applied Information Technology Engineer Examination (AP) (Oct 2016)
- [IPA] Fundamental Information Technology Engineer Examination (FP) (Oct 2014)
- [IPA] Information Technology Passport Examination (IP) (Oct 2011)