

# Takumi Iida

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## WORK EXPERIENCE

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### Elith Inc.

Research Manager

Oct 2024 – Present

Remote (Kyoto)

- **Multi-Agent System Research Project**
  - Project Management
  - (WIP) Writing Paper
- **Local LLM Advisory**
  - Quantization

### LPIXEL Inc.

Machine Learning Engineer, Medical Group

Apr 2024 – Sep 2024

Remote (Kyoto)

- \* **X-Ray Disease Detection**
  - Implementation of Anomaly Detection Model

### SenseTime Japan Ltd.

Researcher, Research Team, R&D Center

Apr 2020 – Mar 2024

Kyoto

- \* **Road Detection Project**
  - 2D Lane Detection
    - Mentor of intern (MIRU2023)
  - Bird's-Eye-View Segmentation
    - Mentor of another intern (IROS 2024 Oral [[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

## EDUCATION

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### 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

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

**Research Topics :** Fallen Object Detection, Lane Detection, Zero-shot Object Detection, Action Recognition

## QUALIFICATIONS

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- [CG-ARTS] Computer Graphics Engineer Certification Test Expert (Dec 2023)
- [CG-ARTS] Image Processing Engineer Certification Test Expert (Aug 2023)
- [ETS] TOEIC L&R 815 (May 2023)
- [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)