Takumi Iida

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WORK EXPERIENCE

Elith Inc.   Oct 2024 – Present
Research Manager   Remote (Kyoto)

- **Multi-Agent System Research Project**
  - Project Management
  - (WIP) Writing Paper

LPIXEL Inc.   Apr 2024 – Sep 2024
Machine Learning Engineer, Medical Group   Remote (Kyoto)

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

SenseTime Japan Ltd.   Apr 2020 – Mar 2024
Researcher, Research Team, R&D Center   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 another new methods (Patent: CN116935353A)
- **Highway Project**
  - Develop automatic camera calibration and road area estimation
  - Bird-Eye-View and Car 3D Box Estimation

EDUCATION

Ritsumeikan University   Apr 2018 – Mar 2020
Master of Electronic System   Shiga

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

Ritsumeikan University   Apr 2014 – Mar 2018
Bachelor of Electronic and Computer Engineering   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, Action Recognition

QUALIFICATIONS

- [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)