

Genki Kinoshita

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in Genki Kinoshita 🐙 GenkiK

RESEARCH INTEREST

I am interested in computer vision and machine learning for 3D vision, in particular, scene reconstruction, self-supervised/unsupervised learning, and human understanding in 3D, such as human motion prediction.

Education / AFFILIATION

Kyoto University

Ph.D. candidate in Informatics

Apr 2024 – Mar 2027 (expected)

- Advisor: Prof. Ko Nishino

M.S. in Informatics

Apr 2022 – Mar 2024

- Advisor: Prof. Ko Nishino

- Thesis: Camera Height Doesn't Change: Unsupervised Monocular Scale-Aware Road-Scene Depth Estimation

B.E. in Engineering

Apr 2018 – Mar 2022

- Advisor: Prof. Masahiro Hasuo and Dr. Keisuke Fujii

- Thesis: Modeling the Frequency Distribution of Line Strengths from Multielectron Atoms Based on the Fermi Gas Approximation.

PUBLICATIONS

Conference Proceedings

1. G. Kinoshita, K. Nishino. Camera Height Doesn't Change: Unsupervised Training for Metric Monocular Road-Scene Depth Estimation. In *Proceedings of the European Conference on Computer Vision (ECCV)*, 2024

EXPERIENCE

Kyoto University

Research Fellow

Kyoto, Japan

Apr 2024 - Present

Subject: Human motion understanding in 3D

Advisor: Prof. Ko Nishino

Kyoto University

Research Assistant

Kyoto, Japan

Mar 2023 - Mar 2024

Subject: Unsupervised monocular metric depth estimation

Advisor: Prof. Ko Nishino

Sony Semiconductor Solutions

Research Internship

Tokyo, Japan

Feb 2023 - Feb 2023

Subject: Active learning for semantic segmentation

Yahoo Japan

Research Internship

Tokyo, Japan

Aug 2022 - Sep 2022

Subject: Deep learning based auto tuning of DBMS

Nintendo

Software Engineer Internship

Kyoto, Japan

Aug 2020 - Mar 2022

Subject: Web app development with a team

HACARUS

Data Scientist

Subject: Data analysis and machine learning

Kyoto, Japan
Jun 2019 - Aug 2020

SCHOLARSHIP

DoGS SPRING Program

Apr 2024 - Mar 2027 (expected)

JASSO Scholarship for Excellent Master Students

Apr 2022 - Mar 2024

SKILLS

Programming Python, TypeScript/JavaScript, Java, C/C++, Go, HTML, CSS

Libraries: PyTorch, OpenCV, Keras, Spring Boot, Angular

Language: Japanese (native), English

TEACHING

Exercise of Computer Programming in Electrical and Electronic Engineering at Kyoto University in 2023.