

# Genki Kinoshita

📍 Kyoto, JAPAN    ✉ gkinoshita@vision.ist.i.kyoto-u.ac.jp    💻 genkik.github.io  
in Genki Kinoshita    📱 GenkiK

## RESEARCH INTEREST

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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

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### 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

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### 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

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### 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

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DoGS SPRING Program

*Apr 2024 - Mar 2027 (expected)*

JASSO Scholarship for Excellent Master Students

*Apr 2022 - Mar 2024*

## SKILLS

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

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

**Language:** Japanese (native), English