

Koshiro Nagano

Curriculum Vitae

Tokyo
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Education

- 2024–2027 : **PhD, Computer Science & Engineering**, *Keio University*, HVR Lab.
Our research interests range from basic computer vision theories through applications including image recognition and understanding, broadcast image technology, and augmented reality.
- 2020–2022 : **Master of Science and Engineering, Mathematical Informatics**, *Tokyo Denki University*.
- 2016–2020 : **Bachelor of Science and Engineering, Mathematical Informatics**, *Tokyo Denki University*, TDU AI Lab.

Publications

In Conference Proceedings

- 2026 **Koshiro Nagano**, Ryo Fujii, Fumiaki Sato Ryo Hachiuma, Taiki Sekii, and Hideo Saito. Learning from Synthetic Data via Provenance-Based Input Gradient Guidance. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2026.
- 2025 **Koshiro Nagano**, Fumiaki Sato, Ryo Hachiuma, Kazuki Tsutsukawa, and Taiki Sekii. Frozen network few-shot object detection. In *2025 IEEE International Conference on Image Processing (ICIP)*, pages 25–30, 2025.
- 2021 **Koshiro Nagano**, Yoshiharu Mukouyama, Takashi Nishimura, Hiroyuki Fujioka, Kenji Watanabe, Takio Kurita, and Akinori Hidaka. Noise reduction of sem images using u-net with ssim loss function. *Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and its Applications*, volume 2021, pages 65–72, 2021.

Research Experience

Konica Minolta Inc., Tokyo, Japan

Apr. 2022 – **AI Technology Developer**.

- present
- Working on the development of neural network models for analyzing human pose or attribute, detecting objects, and recognizing human actions.
 - Working in creating deep learning inference tools tailored for edge devices, such as the NVIDIA Jetson AGX Orin and Arduino.

Ghelia Inc., Tokyo, Japan

Feb. 2019 – **AI Technology Intern**.

- Mar. 2022
- Development assistant for our No-code development AI platform product “Deep Analyzer”.
 - Technical assistant by using Deep Analyzer in Proof of Concept project for the client selling their lighting equipment.
 - Development assistant for our Auto ML system called “Ghelia Spectre” for discovering highly tuned artificial neural networks.

Computer skills

Programming Languages Python, PyTorch, keras, MATLAB, C, C++