Koshiro Nagano

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EDUCATION

Keio University, Tokyo, Japan — Sep.2024 — Ongoing
Ph.D. Hyper Vision Research Laboratory

Tokyo Denki University, Tokyo, Japan — Apr.2020 — Mar.2022
M.S. Mathematical Informatics

Tokyo Denki University, Tokyo, Japan — Apr.2016 — Mar.2020
B.S. Mathematical Informatics

EXPERIENCE

Konica Minolta Inc. — Tokyo, Japan
AI Technology Developer — Apr.2022 – Ongoing

- 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 Arudino.

Ghelia Inc. — Tokyo, Japam
AI Technology Intern — Feb.2019 - 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.

Research Papers, Competitions

Frozen Network Few-Shot Object Detection — ICIP
***Koshiro Nagano**, Fumiaki Sato, Ryo Hachiuma, Kazuki Tsutsukawa, Taiki Sekii* — 2025

- Accepted presentation.

Pedestrian Attribute Recognition and Person Retrieval Challenge — WACV
6th Prize — 2023

- Achived 6th prize at pedestrian attribute recognition challenge by oneself.

Noise Reduction of SEM Images using U-net with SSIM Loss Function — Proceedings of the ISCIE SSS
***Koshiro Nagano**, Yoshiharu Mukouyama, Takashi Nishimura, Hiroyuki Fujioka, Kenji Watanabe, Takio Kurita, Akinori Hidaka* — 2020

- Presented denoising and deblurring method to enhance image quality in conventional scanning electron microscopes, showing improved results with reduced falsifications.

SKILLS

- **Programming:** Python, C/C++, Matlab, Javascript
- **Deep Learning:** PyTorch, Tensorflow, Caffe, OpenVINO, TensorRT
- **Communication:** English, Japanese