

Koshiro Nagano

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EDUCATION

Tokyo Denki University, Tokyo, Japan Apr.2016 — Mar.2020
B.S. Mathematical Informatics
Tokyo Denki University, Tokyo, Japan Apr.2020 — Mar.2022
M.S. Mathematical Informatics
Keio University, Tokyo, Japan Sep.2024 (expexted)
Ph.D. Hyper Vision Research Laboratory

EXPERIENCE

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.

Konica Minolta Inc. Osaka, 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.

Research Papers, Competitions

Noise Reduction of SEM Images using U-net with SSIM Loss Function Proceedings of the ISCIE SSS
Koshiro Nagano, Yoshiharu Mukoyama, 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.

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

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

SKILLS

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