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 — Ongoing
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.   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.

Research Papers, Competitions

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.

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

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

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

- Accepted presentation.

SKILLS

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