

Dingding Cai

PhD Candidate at Tampere University

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Google Scholar



EDUCATION BACKGROUND

- Oct 2020 - Present **Tampere University**, Tampere, Finland.
Doctor of Science, Computing and Electrical Engineering
- Sep 2015 - Dec 2017 **Tampere University of Technology**, Tampere, Finland.
Master of Science (with distinction), Information Technology
- Sep 2011 - Jun 2015 **Sichuan University**, Chengdu, China.
Bachelor of Engineering, Software Engineering

WORK EXPERIENCE

- Jun 2024 - Aug 2024 **Summer Intern**, Huawei Finland Research Center, Tampere, Finland.
Perspective correction, extended depth of field, camera novel vision system.
- Apr 2019 - Oct 2020 **Senior Algorithm Engineer**, Missfresh Ecommerce, Shenzhen, China.
Computer vision algorithms for smart vending machines and warehouse management.
- Mar 2018 - Apr 2019 **Algorithm Engineer**, Hahabianli, Shenzhen, China.
Anomaly detection and object detection algorithms for smart vending machines.
- Jun 2016 - Mar 2018 **Research Assistant**, Tampere University of Technology, Tampere, Finland.
Image super-resolution, classification, and video analysis.

RESEARCH WORK

- 3DV, 2025 [Dingding Cai](#), Janne Heikkilä, Esa Rahtu, **GS-Pose: Generalizable Segmentation-based 6D Object Pose Estimation With Gaussian Splatting.**
- SCIA, 2023 [Dingding Cai](#), Janne Heikkilä, Esa Rahtu, **MSDA: Monocular Self-supervised Domain Adaptation for 6D Object Pose Estimation.**
- 3DV, 2022 [Dingding Cai](#), Janne Heikkilä, Esa Rahtu, **SC6D: Symmetry-agnostic and Correspondence-free 6D Object Pose Estimation.**
- CVPR, 2022 [Dingding Cai](#), Janne Heikkilä, Esa Rahtu, **OVE6D: Object Viewpoint Encoding for Depth-based 6D Object Pose Estimation.**
- Pattern Recognition Letters*, 2019 [Dingding Cai](#), Ke Chen, Yanlin Qian, Joni-Kristian Kämäräinen, **Convolutional Low-resolution Fine-grained Classification.**

OTHERS

- Sep 2024 - Nov 2024 Guest Researcher, CVG Group, ETH Zurich, Switzerland
- Dec 2017 Graduation Award Master of Science with Distinction, Tampere University, Finland
- Aug 2017 - Aug 2017 Vision and Sports Summer School, Czech Technical University, Czech Republic
- Aug 2014 - Jun 2015 International Student Exchange Program, University of Tampere, Finland