

Dingding Cai

PhD Student 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

- Oct 2020 - present **Doctoral Student**, Tampere University, Tampere, Finland.
Working on rigid object 6D pose estimation and 3D scene understanding.
- Apr 2019 - Oct 2020 **Senior Algorithm Engineer**, Missfresh Ecommerce, Shenzhen, China.
Developing computer vision algorithms for Smart Vending Machines and Warehouse Management.
- Mar 2018 - Apr 2019 **Algorithm Engineer**, Hahabianli, Shenzhen, China.
Developing object detection algorithms for Smart Vending Machines.
- Jun 2016 - Mar 2018 **Research Assistant**, Tampere University of Technology, Tampere, Finland.
Working on Image Super-Resolution, Classification, and Video Analysis.

SELECTED PUBLICATIONS

- 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.**
- PR Letter, 2019 Dingding Cai, Ke Chen, Yanlin Qian, Joni-Kristian Kämäräinen, **Convolutional Low-resolution Fine-grained Classification.**

AWARDS AND HONOURS

- Dec 2017 Graduation Award for Master of Science with Distinction, Finland
- 2011 - 2014 Annual First/Second Class Prize Scholarships, China

OTHERS

- August 2017 Vision and Sports Summer School, Czech Technical University, Czech Republic
- Aug 2014 - Jun 2015 International Student Exchange Program, University of Tampere, Finland