

Jifei Luo

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EDUCATION

Peking University <i>Visiting Student</i>	Sep. 2023 – Oct. 2023 <i>Beijing, China</i>
University of Science and Technology of China <i>Master of Electrical Engineering</i>	Sep. 2022 – Present <i>Anhui, China</i>
University of Science and Technology of China <i>School of the Gifted Young, Bachelor of Electrical Engineering</i> <i>Talent Program in Artificial Intelligence</i>	Sep. 2018 – May 2022 <i>Anhui, China</i>

AWARDS

- African Alumni Association Zhou Zhili Scholarship 2019 Fall
- Excellent Student Scholarship, Bronze Award 2020 Fall
- Outstanding Freshman Scholarship, Bronze Award 2018 Fall

COURSEWORK

Machine Learning, Parallel Computing, Principle of Compilation, Graph Theory, Operation Research, Computer Networking, Linear Algebra, Functional Analysis, Real Analysis, Algorithm Principle, Signal and System, Mathematical Analysis

EXPERIENCE

Research Assistant <i>Institute of Automation, Chinese Academy of Science, Advisor: Hantao Yao, Changsheng Xu</i>	Aug. 2023 – Present <i>Beijing, China</i>
Research Assistant <i>University of Science and Technology of China, Advisor: Wengang Zhou</i>	Sep. 2022 – May. 2023 <i>Anhui, China</i>
Undergraduate Research Assistant <i>Institute of Automation, Chinese Academy of Science, Advisor: Hantao Yao, Changsheng Xu</i> <ul style="list-style-type: none">• When deploying the ReID algorithm in real world scenarios, the ability to generalize would degrade due to many aspects of constraints. We proposed a novel Identity Knowledge Evolution (IKE) framework for Camera Incremental Object Re-Identification task, which can continually optimizing the ReID model from the incoming stream of the camera datasets.	Feb. 2022 – Aug. 2022 <i>Beijing, China</i>
Teaching Assistant <i>University of Science and Technology of China</i> <ul style="list-style-type: none">• TA for Operations Research (OR). Graded homework and exams, gave lectures on exercises.	Sep. 2021 - Jan. 2022 <i>Anhui, China</i>
Undergraduate Research Assistant <i>University of Science and Technology of China, Advisor: Sen liu, Zhibo Chen</i> <ul style="list-style-type: none">• Reproduced an experiment called EDVR (Video Restoration with Enhanced Deformable), which is an unified framework suited for various video restoration tasks. I modified and applied this method to repair old video clips.	Dec. 2020 – May. 2021 <i>Anhui, China</i>

PUBLICATIONS

Hantao Yao, **Jifei Luo**, Lu Yu and Changsheng Xu, "Camera-Incremental Object Re-Identification with Identity Knowledge Evolution", submitted to International Journal of Computer Vision (IJCV), 2023.

TECHNICAL SKILLS

Languages: Python, L^AT_EX, C/C++, Matlab, HTML
Developer Tools: VS Code, Visual Studio, PyCharm, Git, Premiere
Libraries: NumPy, PyTorch, FFmpeg, OpenCV, Pandas