

SHUAI LI

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EDUCATION

Rochester Institute of Technology, (Enrolled Remotely)

August 2021 - Present

Ph.D. in Computer Science

Advisor: Dr. Yu Kong

Beijing Institute of Technology, Beijing, China

September 2014 - March 2017

M.Eng. in Automation

Southwest Jiaotong University, Chengdu, China

September 2010 - June 2014

B.Eng. in Electrical Engineering

RESEARCH INTERESTS

- Computer Vision: Multi-Object Tracking, Video Action Segmentation.
- Others: Probabilistic Graphical Models, Bayesian Filter.

PUBLICATIONS

1. **Shuai Li**, Yu Kong, Hamid Rezatofighi. Learning an Optimal Linear Program for Multi-Object Tracking (**CVPR**) 2022.
2. Ranran Dong, Bo Wang, **Shuai Li**, Zhiqiang Zhou, Sun Li, Zhongkai Wang. Interactive image segmentation with color and texture information by region merging (**CCDC**) 2016.

WORK EXPERIENCE

The University of Adelaide, Adelaide, Australia

May 2019 - April 2020

Research Intern

- Developed a graph convolution based multi-person tracking algorithm, and achieved state-of-the-art performance among offline algorithms.
- Submitted one draft to WACV2021.

Arizona State University, Tempe, USA

January 2018 - January 2019

Research Assistant

- Worked on various Computer Vision combined with Civil Engineering projects, including water leakage detection in Arizona canal satellite images, driver fatigue analysis in videos, video data collection for construction workers
- Implemented a multi-person tracking system in constrained surveillance videos using Kalman Filter.

TECH SKILLS

CV/DL Tools PyTorch, Caffe, OpenCV

Programming Languages Python, C/C++, MATLAB

ACADEMIC SERVICES

Conference Reviewer:

CVPR (2022), ICCV (2021), AAAI (2022), IJCAI (2022), FG (2021)

Journal Reviewer:

- Multimedia System Journal (MMSJ, Springer)

References:

- [Hamid Rezatofighi](#), [Yu Kong](#)