

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 Rezaatofghi. Learning of Global Objective for Network Flow in Multi-Object Tracking (CVPR) 2022. <https://arxiv.org/abs/2203.16210>
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.
- DeepCare**, Beijing, China *March 2017 - May 2017*
Algorithm Engineer
- Worked on cell detection in pathological images, using SSD (Single-Shot Detector).
- Implemented a cell counting method using NMS (Non-Maximum Suppression) to aid doctor diagnosis.

TECH SKILLS

CV/DL Tools OpenCV, PyTorch/TensorFlow/Caffe
Programming Languages Python, C/C++, MATLAB

ACADEMIC SERVICES

Conference Reviewer:
CVPR (2022), ICCV (2021), ECCV (2022), AAAI (2022), IJCAI (2022), FG (2021)

References:

- [Hamid Rezaatofghi, Yu Kong](#)