

Y I M E N G L I

EDUCATION

- 2016-PRESENT **PhD**, Computer Science
George Mason University, Fairfax, VA, USA
Research Interests: Robotics, Computer Vision
- 2016-2018 **MS**, Computer Science
George Mason University, Fairfax, VA, USA
- 2010-2014 **BE**, Software Engineering
East China Normal University, Shanghai, China

EXPERIENCES

- 2016-PRESENT **Lab Research**
Computer Vision and Robotics Lab
Department of Computer Science, George Mason University
- 2018 SUMMER **Research Intern**
AFRL Mathematical Modeling and Optimization Institute, FL
- 2016-2018 **Graduate Teaching Assistant**
CS112: Introduction to Programming - Python
Department of Computer Science, George Mason University
- 2014-2016 **Software Engineer**
The 3rd Research Institute of China Ministry, Shanghai, China
- 2013-2014 **Research Intern**
The 3rd Research Institute of China Ministry, Shanghai, China

RESEARCH PROJECTS

- 2018-PRESENT **Robot Navigation on Simulated Environments**
Using deep learning techniques to train a robot to do short-range and long-range visual navigation.
- 2019 SUMMER **Guard Rail Detection on Building Images**
Doing guard rail detection on high-resolution images of buildings under construction. This project motivates from automatic safety inspection for building construction.
- 2018 SUMMER **Object Detection on Aerial Images**
Doing fine-grained object detection on xView dataset. Object classes include various engineering machines and multi-functional buildings.
- 2017 SUMMER **Amazon Robotics Challenge**
Part of the GMU-BGU team. Responsible for detecting both the known and the unknown sets of objects.

PAPER

- 2020 **Y. Li**, J. Kosecka
"Learning View and Target Invariant Visual Servoing for Navigation"
ICRA 2020

PREPRINTS

- 2020 G. Georgakis, **Y. Li**, J. Kosecka
"Simultaneous Mapping and Target Driven Navigation"
arXiv:1911.07980

COMPUTER SKILLS

- PL C/C++, Python, Java
OTHER OpenCV, PyTorch, Matlab