

# Y I M E N G L I

## EDUCATION

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- 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

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- 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

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- 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.

## PREPRINTS

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

## COMPUTER SKILLS

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