




# Saeid Hosseinipoor

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## OBJECTIVE

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As a computer science PhD candidate, I am seeking an opportunity in a leading company to enrich my experience in computer vision research.

## EDUCATION

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### Stevens Institute of Technology

*Ph.D. of Computer Science*  
Computer Vision

**Hoboken, NJ**

*2017 - Present*

### University of Oklahoma

*Master of Data Science and Analytics*

**Norman, OK**

*May 2016 - Aug 2017*

## RESEARCH

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### Monocular Depth Estimation

*Sep 2019 - Present*

I am working on a deep convolutional neural network to estimate the depth in a monocular view. The research is part of augmented reality project funded by Google.

### Deep Refiner Network

*Aug 2018 - Sep 2019*

I presented a deep convolutional neural network architecture to refine a dense label map in three different vision problems including stereo matching, optical flow estimation, and semantic segmentation.

## EXPERIENCES

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### Computer Vision Lab - Stevens Institute of Technology

*Research/Teaching Assistant*

**Hoboken, NJ**

*Aug 2017 - Present*

As a PhD student, I have done several projects in computer vision fields, including

- Multiview 3D reconstruction,
- Stereo vision algorithms and confidence/similarity measurement for calculated depth map,
- Edge/corner detection algorithms,
- RANSAC and Hough transform applications,
- Segmentation algorithms.
- Teaching assistant for System Programming course.

### GE Global Research

*Data Scientist - Summer Intern*

**Oklahoma City, OK**

*Jun 2017 - Aug 2017*

- Failure detection on multivariate time series.

### University of Oklahoma

*Teaching Assistant*

**Norman, OK**

*Jan 2014 - Aug 2017*

- Helped students to solve their problems in several courses like **Numerical Methods and Programming**.
- Fellowship to help professors implementing Canvas platform and course development.

## KEY SKILLS

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C, C++, Python, MATLAB, Deep Learning, TensorFlow, Statistical Analysis, Machine Learning, Artificial Intelligence, Stereo Matching, Depth Estimation, Monocular Depth Estimation, Augmented Reality.