

MaheenRashid

education

- 2015–Now **PhD Student** in Computer Science Davis, CA
University of California at Davis
- 2012–2014 **Masters** of Robotics Pittsburgh, PA
Carnegie Mellon University
- 2007–2011 **B.Sc. (Hons)** in Computer Science Lahore, Pakistan
Lahore University of Management Sciences

experience

- Sep '15 **Computer Science Department, UC Davis** Davis, CA
–Present *Graduate Student under Dr. Yong Jae Lee*
- Researching automatic pain detection in horses as part of large interdisciplinary project. Involves data collection and annotation, facial action unit coding, and deep learning on horse expressions.
 - Published in CVPR 2017. Developed in Torch, and Python.
- July '17 **Yahoo, Flickr Vision/ML Team** San Francisco, CA
–Sep '17 *Research Intern*
- Improved face detection accuracy for personal photo collections. Developed 3D informed spatial transformer network for face recognition. Developed frontalization and occlusion methods for assisting in face recognition.
- Aug '14 **Mint Solutions** Kopavogur, Iceland
–Aug '15 *Software Developer (Intern from Aug '14–Dec '14)*
- Improved the core machine learning engine of MedEye - a pill scanner that uses computer vision to prevent drug errors.
 - Deployed on Medeye devices in the field. Developed in Python, and MySQL.
- Sep '12 **Robotics Institute, Carnegie Mellon University** Pittsburgh, PA
–May '14 *Graduate Student under Dr. Martial Hebert*
- Researched understanding the geometry, layout and composition of indoor scenes through the aid of geometry based features, Google Warehouse 3D models, and 2D object detectors.
 - Published in 3DV 2014 and IJCV 2014. Developed in C/C++ and MATLAB.

publications

- Single-View Reconstruction using Orthogonal Line-pairs
Aamer Zaheer, Maheen Rashid, Muhammad A Riaz, Sohaib Khan
Computer Vision and Image Understanding, 2018
- Detailed 3D Model Driven Single View Scene Understanding
Maheen Rashid, Martial Hebert
International Conference on 3D Vision, 2014, Tokyo, Japan
- 3DNN: Viewpoint Invariant 3D Geometry Matching for Scene Understanding
Scott Satkin, Maheen Rashid, Jason Lin, Martial Hebert
International Journal of Computer Vision, 2014
- Shape from Angle Regularity
Aamer Zaheer, Maheen Rashid, Sohaib Khan
European Conference on Computer Vision, 2012, Florence, Italy

honors and services

- 2017-2018 **College of Engineering Dean's Advisory Committee Member, Lead Women in Computer Science Graduate Group**
- 2016-2018 **Graduate Student Association Computer Science Representative**
- 2012 **Fulbright Scholarship**

contact

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programming

PyTorch/Torch,
Tensorflow, Caffe,
Python, Java, C/C++,
MATLAB, LaTeX, Bash
Experience in: Sci-Kit
Learn, OpenCV,
OpenGL

course work

Visual Recognition
Through Deep
Learning,
Computer Architecture,
Machine Learning,
Computer Vision,
Learning and Geometry
Based Methods in
Computer Vision

interests

Machine learning,
Computer Vision,
Software Development,
Geometry, Literature,
Travelling

volunteer work

The Citizens
Foundation Rahbar
Program,
Son-Rise Autism
Program,
Amnesty International

languages

English
Urdu