

MaheenRashid

education

- 2015–Now **PhD Candidate** 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.
 - Publication under review at CVPR 2017. Developed in Torch, and Python.
 - Researched multi-modal object proposal generation for use in detection tasks. Implemented in Torch, Caffe, and Python.
- 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.
 - Conceived, implemented and tested multiple classification algorithms for a growing dataset of 500+ classes.
 - 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

- Interspecies Knowledge Transfer for Facial Keypoint Detection
Maheen Rashid, Xiuye Gu, Yong Jae Lee
Computer Vision and Pattern Recognition, 2017, Honolulu, Hawaii
- 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

- 2016 **Graduate Student Association Computer Science Representative**
- 2016 **Graduate Student Mentor for First Friends Program**
- 2012 **Fulbright Scholarship**
- 2011 **Dean's Honour List**

contact

+1 408 2426275
mhnrashid@gmail.com
maheenrashid.com

programming

Torch, 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