MaheenRashid

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

services

Reviewer - ACM TIST, CVPR 2018, Dean's Advisory Committee Member, GSA Representative, Lead - Women in CS

volunteer work

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

languages

English
Urdu

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 -Present **Computer Science Department, UC Davis** — Davis, CA
Graduate Student under Dr. Yong Jae Lee

- Researching automatic pain detection in horses as part of large inter-disciplinary 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 -Sep '17 **Yahoo, Flickr Vision/ML Team** — San Francisco, CA
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 -Aug '15 **Mint Solutions** — Kopavogur, Iceland
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 -May '14 **Robotics Institute, Carnegie Mellon University** — Pittsburgh, PA
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.
- Funded by Fulbright Scholarship

publications

Single-View Reconstruction using Orthogonal Line-pairs
Aamer Zaheer, Maheen Rashid, Muhammad A Riaz, Sohaib Khan
Computer Vision and Image Understanding, 2018

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