

MaheenRashid

contact

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programming

PyTorch, Torch,
Tensorflow, Caffe,
Python, Java, C/C++,
MATLAB, OpenCV,
OpenGL

course work

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

honors

Keller Pathway Fellow,
Outstanding Reviewer
CVPR 2019,
Fulbright Scholar

services

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

languages

English
Urdu

education

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

experience

Sep '18 -Dec '18	RPL. KTH Royal Institute of Technology Visiting Student Researcher under Dr. Hedvig Kjellström <ul style="list-style-type: none">Developed graph network based approach to weakly supervised action localization. Published in WACV 2020.Understanding EquiFACS correlations with modalities of horse emotion. Accepted at PLoS One and Measuring Behavior 2020.	Stockholm, Sweden
Sep '15 -Present	Computer Science Department. UC Davis Graduate Student under Dr. Yong Jae Lee <ul style="list-style-type: none">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 Measuring Behavior 2018, CVPR 2017. Developed in Darknet, Torch, Pytorch, and Python.	Davis, CA
July '17 -Sep '17	Flickr Vision/ML Team. Yahoo Research Intern <ul style="list-style-type: none">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.	San Francisco, CA
Aug '14 -Aug '15	Mint Solutions Software Developer (Intern from Aug '14-Dec '14) <ul style="list-style-type: none">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.	Kopavogur, Iceland
Sep '12 -May '14	Robotics Institute. Carnegie Mellon University Graduate Student under Dr. Martial Hebert <ul style="list-style-type: none">Researched indoor scene understanding with 3D models.Published in 3DV 2014 and IJCV 2014. Developed in C/C++ and MATLAB.	Pittsburgh, PA

selected publications

Action Graphs: Weakly Supervised Action Localization with Graph Convolution Networks. Maheen Rashid, Hedvig Kjellström, Yong Jae Lee. WACV, 2020
Facial Action Unit Detection Using Capsules. Maheen Rashid, Yong Jae Lee. Preprint, 2018
What Should I Annotate? An automatic tool for finding video segments for EquiFACS annotation. Maheen Rashid et al. Measuring Behavior, 2018
Single-View Reconstruction using Orthogonal Line-pairs. Aamer Zaheer, Maheen Rashid, Muhammad A Riaz, Sohaib Khan. Computer Vision Image and Understanding, 2018
Interspecies Knowledge Transfer for Facial Keypoint Detection. Maheen Rashid, Xiuye Gu, Yong Jae Lee. Computer Vision Pattern Recognition, 2017
Detailed 3D Model Driven Single View Scene Understanding. Maheen Rashid, Martial Hebert. 3D Vision, 2014
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