

## RESEARCH INTEREST

**Computer Vision, Deep Learning**, human pose estimation, object detection and recognition, action recognition, face recognition, person re-identification, multi-target tracking

## EDUCATION

Ph.D. in Computer Science (Computer Vision) Mar. 2014 – Present

[University of Bonn](#), Germany

**Supervisor:** Prof. Juergen Gall

**Research Topic:** Human Pose Estimation in Images/Videos

M.Sc. in Signal Processing (with Distinction) Aug. 2011 – Sep. 2013

[Tampere University of Technology](#), Finland

**Supervisor(s):** Prof. Moncef Gabbouj and Dr. Igor Curcio

**Thesis Title:** Important Person Detection from Multiple Videos (Thesis grade: 5/5)

B.Sc. in Computer Engineering Sep. 2006 – Aug. 2010

[COMSATS Institute of Information Technology \(CIIT\)](#), Lahore, Pakistan

**Supervisor:** Dr. Saquib Sarfraz

**Thesis Title:** Vision Based Car Make and Model Recognition (Thesis grade: 4/4)

## WORK EXPERIENCE

**Computer Vision and Deep Learning Research Intern** Oct. 2017 – Mar. 2018

Machine Learning and Perception Group, [NVIDIA Research](#), USA

- 2D and 3D Hand Pose Estimation from Monocular Images

**Research Assistant** Mar. 2014 – Present

[Computer Vision Group](#), [University of Bonn](#), Germany

- 2D and 3D Human Pose Estimation
- Multi-target Tracking
- Action Recognition
- Teaching Assistant, Computer Vision I & II
- Seminar Assistant, Selected Topics in Computer Vision
- Lab Assistant, Lab Vision: RGBD cameras
- Mentoring bachelor and master's thesis students

**Project Researcher** Nov. 2013 – Dec. 2013

[Multimedia Research Group](#), [Tampere University of Technology](#), Finland

- Large Scale Object Recognition

**Computer Vision Research Assistant** (External) Sep. 2011 – Oct. 2013

Contextual Media Systems Team, [Nokia Research Center](#), Tampere, Finland

- Semi-supervised Person Re-identification
- Face and Person Tracking
- Aesthetic Image Quality Assessment
- Transition Effects for Video Remixing
- Writing of IPR/Invention reports











## Research Associate

Aug. 2010 – Aug. 2011

Computer Vision Research Group, COMSATS Institute of Information Technology, Pakistan

- Vehicle Make and Model Recognition
- Automatic Driver Assistance System
- Number Plate Detection and Recognition
- Teaching Assistant, Digital Image Processing

## PUBLICATIONS

- [1] **U. Iqbal**, P. Molchanov, T. Breuel, J. Gall, J. Kautz. Hand Pose Estimation via 2.5D Latent Heatmap Regression. ArXiv (2018). 
- [2] A. Doering, **U. Iqbal**, J. Gall. JointFlow: Temporal Flow Fields for Multi Person Pose Tracking. ArXiv (2018). 
- [3] M. Andriluka, **U. Iqbal**, A. Milan, E. Insafutdinov, L. Pishchulin, J. Gall and B. Schiele. PoseTrack: A Benchmark for Human Pose Estimation and Tracking. CVPR (2018). 
- [4] **U. Iqbal**, A. Doering, H. Yasin, B. Krüger, A. Weber, and J. Gall. A Dual-Source Approach for 3D Human Pose Estimation from a Single Image. CVIU (2018). 
- [5] **U. Iqbal**, A. Milan and J. Gall. PoseTrack: Joint Multi-Person Pose Estimation and Tracking. CVPR (2017). 
- [6] **U. Iqbal**, M. Garbade and J. Gall. Pose for Action Action for Pose. FG (2017). 
- [7] **U. Iqbal** and J. Gall. Multi-Person Pose Estimation with Local Joint-to-Person Associations. ECCV Workshops (2016). 
- [8] H. Yasin\*, **U. Iqbal**\*, B. Krüger, A. Weber and J. Gall. A Dual Source Approach for 3D Pose Estimation from a Single Image. CVPR (2016). \*equal contribution 
- [9] **U. Iqbal**, I. D. D. Curcio and M. Gabbouj. Who is the Hero? – Semi-Supervised Person Re-Identification in Videos. VISAPP (2014). 
- [10] **U. Iqbal**, S.W. Zamir, M.H. Shahid, K. Parwaiz, M. Yasin and M.S. Sarfraz. Image Based Vehicle Type Identification. ICIET (2010). 

## PROGRAMMING SKILLS

C++, Python, MATLAB,

## SCIENTIFIC SERVICES

### Reviewer

CVPR (2018,17,16,15), TPAMI(2017), ICCV(2015), ACCV(2016,14), NIPS(2015), 3DV(2016).

### Workshop(s)

- Organizer of the “2nd PoseTrack Challenge on Human Pose Estimation and Tracking in the Wild” in conjunction with ECCV (2018).  - Organizer of the “1st PoseTrack Challenge on Human Pose Estimation and Tracking in the Wild” in conjunction with ICCV (2017). 

## REFERENCES

Available upon request.