

# UNAIZA AHSAN

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**OBJECTIVE** Summer Internship that can use my Computer Vision and Machine Learning skills in video activity recognition using deep learning methods.

**EDUCATION** Georgia Institute of Technology, Atlanta, GA  
PhD Computer Science (expected graduation date: Dec 2017)  
**GPA 3.73/4.0**

NED University of Engineering and Technology, Karachi, Pakistan  
Masters of Engineering in Computer and Information Systems, 2009-2012  
**GPA 3.95/4.0**

NED University of Engineering and Technology, Karachi, Pakistan  
Bachelor of Engineering in Telecommunications, 2005-2009  
**GPA 89.6/100**

## SKILLS

### Research & Programming

- Deep learning methods and tools such as Caffe and Torch
- Computer Vision and Machine learning methods
- Python, OpenCV, MATLAB, R, Caffe and Torch

### Courses Taken

- Design and Analysis of Algorithms (CS6505)
- Computer Vision (CS 7495)
- Machine Learning (CS 7641)
- Numerical Linear Algebra (CS 6643)
- Social Computing (CS 8803)

## EXPERIENCE

Georgia Institute of Technology, Atlanta, GA, 2012-present  
Graduate Research Assistant

Data Science for Social Good 2016, Atlanta, GA Summer 2016  
Developed a web app to determine optimal locations for refugee resettlement in Atlanta

Georgia Institute of Technology, Atlanta, GA Fall 2012, Summer 2016  
Teaching Assistant: Computer Vision CS4495,  
Computational Photography CS 4475

## PUBLICATIONS

- **Unaiza Ahsan**, Chen Sun, James Hays and Irfan Essa, *Complex Event Recognition from Images with Few Training Examples*, IEEE Winter Conference on Applications of Computer Vision (WACV) 2017.
- **Unaiza Ahsan**, Oleksandra Sopova, Wes Stayton, Bistra Dilkina, *Interactive tool to prioritize housing options for refugee resettlement* Bloomberg Data for Good Exchange 2016.
- **Unaiza Ahsan** and Irfan Essa, *Clustering social event images using kernel canonical correlation analysis*, IEEE Conference on Computer Vision and Pattern Recognition Workshops 2014.
- **Unaiza Ahsan**, SA Sattar, Humera Noor and Munzir Zafar, *Multi-cue object detection and tracking for security in complex environments*, SPIE Defense, Security, and Sensing 2012.

**HONORS**

- Receptient of Schlumberger Faculty for the Future Fellowship 2014-present
- GRE General score of 1510 (800Q, 710V), 2012
- IELTS band score of 7.5, 2009
- Ranked 6th out of 50 students in undergraduate studies, 2008

**HOBBIES**

Blogging, Writing Poetry, Politics