

# MOHAMMAD TARIQUL ISLAM

## Education

### University of Kentucky

Ph.D., Computer Science Aug. 2016

Masters (en passant), Computer Science May 2014

### Bangladesh University of Engineering and Technology

B.Sc. in Engineering, Computer Science and Engineering Nov. 2006

## Appointments

**Assistant Professor**, Department of Computer Science, Southern Connecticut State University Aug. 2016 -

- Conducting research in the area of big data, machine learning, and deep learning
- Teaching undergraduate and graduate courses in the computer science curriculum
  - Software Design and Development (CSC 330). Fall 2016
  - Fundamentals of Internet Programming (CSC 443). Fall 2016
  - Web Programming (CSC 543), Fall 2016
  - Computer Graphics (CSC 431), Winter 2017

**Teaching Assistant**, Computer Science Department, University of Kentucky

- *Instructor*, Introduction to Computer Programming using Python (CS 115). Fall 2015, Spring 2016
- *Lab Instructor*, First Course in Computer Science for Engineers using MATLAB (CS 221). Fall 2013
- *Grader*, Computer Vision (CS 636). Spring 2013
- *Lab Instructor*, Introduction to Computer Programming using C++ (CS 115). Fall 2010

**Research Assistant**, Computer Science Department, University of Kentucky Jan. 2011 – Aug. 2015

- Analysis and visualization of large scale datasets
- Analysis of human appearance variations with respect to changes in geo-location
- Outdoor scene understanding from local weather context

**System Engineer**, Grameenphone Ltd., Bangladesh Mar. 2007 – Aug. 2010

- GSM cellular network management and troubleshooting software development
- GSM Intelligent Network system administration

**Software Developer**, Somewhere in net Ltd., Bangladesh Jun. 2006 – Feb. 2007

- Java EE Web application developer and content management system developer

## Refereed Publications

**M. T. Islam**, C. Greenwell, R. Souvenir and N. Jacobs

*Large-Scale Geo-Facial Image Analysis*. In EURASIP Journal on Image and Video Processing (JIVP), 2015.

**M. T. Islam**, S. Workman, and N. Jacobs.

*Face2GPS: Estimating Geographic Location from Facial Features*. In IEEE International Conference on Image Processing (ICIP), 2015. Oral presentation. Acceptance rate: 45% (overall).

**M. T. Islam**, S. Workman, H. Wu, R. Souvenir, and N. Jacobs.

*Exploring the Geo-Dependence of Human Face Appearance*. In IEEE Winter Conference on Applications of Computer Vision (WACV), 2014. Acceptance rate: 40%.

N. Jacobs, **M. T. Islam**, and S. Workman

*Cloud Motion as a Calibration Cue*. In IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2013. Acceptance rate: 26.2%.

**M. T. Islam**, N. Jacobs, H. Wu, and R. Souvenir

*Images + Weather: Collection, Validation, and Refinement*. In IEEE Conference on Computer Vision and Pattern Recognition Workshop on Ground Truth (CVPRW), 2013. Acceptance rate: 67%.

## Abstracts

X. Zhou, S. Workman, **M. T. Islam**, N. Jacobs, and J. Griffioen

*Cyber Infrastructure for the VOEIS Project*. In Symp. in the Mathematical, Statistical and Computer Sciences, 2013.

R. Baltenberger, J. Knochelman, S. Workman, **M. T. Islam**, N. Jacobs, and J. Griffioen

*Constructing a High-Resolution Mosaic of Kentucky Lake*. In Kentucky GIS Conference, 2013.

## Grants

### Estimating Image Location from Human Clothing Styles

PI: Mohammad T. Islam

Sponsor: Southern Connecticut State University (Faculty Creative Activity Research Grant)

Amount Funded: \$2,500

Duration: 2017–2018

## Image Geo-Localization Using House Appearances around the World

PI: Mohammad T. Islam

Sponsor: Southern Connecticut State University (Minority Recruitment and Retention Committee Grant)

Amount Funded: \$1,570

Duration: 2016–2017

## Services and Affiliations

### Reviewer:

Annual Conference on Neural Information Processing Systems, 2012

IEEE Conference on Computer Vision and Pattern Recognition, 2013

European Conference on Computer Vision, 2013

### Activities:

Faculty Representative, Undergraduate Open house, Southern Connecticut State University, 2016

Department Representative, Undergraduate Majors Expo, Southern Connecticut State University, 2016

### Member:

Institute of Electrical and Electronics Engineers (IEEE)

Association for Computing Machinery (ACM)

Departmental Curricular Committee, Department of Computer Science, Southern Connecticut State University.

### Volunteer:

Engineer's day (E-day), University of Kentucky (2012, 2013, and 2014)

ACM International Collegiate Programming Contest, Dhaka, Bangladesh (2003, 2004)

## Certificates, Awards, and Achievements

**Graduate Certificate in College Teaching and Learning**, University of Kentucky Graduate School, 2016

**University Merit Scholarship**, Bangladesh University of Engineering and Technology, 2002-2006

**Top Coder**, [www.freelancer.com](http://www.freelancer.com) (ranked 10<sup>th</sup> nationally), 2010

## Skills

**Languages, Frameworks, APIs, Databases, and misc.:** Java, Python, C, C++, SQL, Assembly Language, Shell Scripts, XML, HTML, PHP, Perl, JavaScript, CSS, MATLAB, Hibernate, Caffe, J2EE, OpenGL, MySQL, SQLite, Oracle, 3dsmax, Poser, and GameMaker: Studio.