Moumita Tabassum

Ph.D. Student

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Employment History

Teaching Assistant (AUGUST 2017 – PRESENT)
Dept. of Computer Science, The University of Alabama
Tuscaloosa, AL, USA

Lecturer (SEPTEMBER 2015 – JULY 2016)
Dept. of Computer Science, Daffodil International University
Dhaka, Bangladesh

Lecturer (JANUARY 2015 – AUGUST 2015)
Dept. of Computer Science, Varendra University
Rajshahi, Bangladesh

Education

Ph.D. in Computer Science (Ongoing)
Dept. of Computer Science,
The University of Alabama, Tuscaloosa, AL, USA

M.S in Computer Science (MAY 2019)
Dept. of Computer Science,
The University of Alabama, Tuscaloosa, AL, USA

B.S in Computer Science & Engineering (DECEMBER 2014)
Dept. of Computer Science,
Rajshahi University of Engineering & Technology,
Rajshahi, Bangladesh

K-12 Education Outreach

Score Keeper, Alabama Robotics Competition (APRIL 2019)**,** The University of Alabama, Tuscaloosa, USA

Alabama Summer Computer Camps (JUNE 2018)**,** The University of Alabama, Tuscaloosa, USA

Judge, Alabama Robotics Competition (APRIL 2018)**,** The University of Alabama, Tuscaloosa, USA

NCWIT Aspirations in Computing Local Organizing Committee (APRIL 2018)**,** The University of Alabama, Tuscaloosa, USA

Professional Development & Training

Assisted in writing an NSF grant (NOVEMBER 2020)

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International Teaching Assistant Program (ITAP) (2018)

Scaling to Petascale Institute - BLUE WATERS (JUNE 2017)**,** Sustained Petascale Computing, Beckman Institute for Advanced Science and Technology, Urbana, IL

Award & Honors

"First-place" in Graduate Division Research Presentation Competition, ACM Mid-Southeast Chapter Conference (November 14, 2020)

"**Three Minute Thesis (3MT) Finalist**", The University of Alabama, (NOVEMBER 2019)

"**Champion**" at the Inter-university project contest at BUET CSE-FEST (2012)

"**Champion"** in the software category at digital innovation fair (2013)

"**Excellent Performance Award**" from Dept. of CSE, RUET (2013)

Publications

Designing Accessibility into Blocks Languages (Poster)
Moumita Tabassum, Jeff Gray, and Derrick Smith, ACM Technical Symposium on Computer Science Education (SIGCSE), virtual - Toronto, Canada, March 2021.

Designing Accessible Block Languages to Support the Inclusion of Student with and without Visual Impairments (Abstract Paper)
Moumita Tabassum, ACM Mid-Southeast Chapter Conference, virtual- Gatlinburg, Tennessee, November 13-14, 2020

Conferences

2021 ACM SIGCSE Technical Symposium
Virtual Conference (MARCH 13-20, 2021)

2020 ACM MID-Southeast Conference
Virtual Conference (NOVEMBER 13-14, 2020)

2018 ACM SIGCSE Technical Symposium
Baltimore, Maryland, USA (FEBRUARY 21- 24)

2018 Alabama Computer Science Education Summit
Montgomery, Alabama, USA (MARCH 14)

Thesis & Projects

Grid-World
A Blocks-based language for students with and without visual impairments

B.S. Thesis
Protein Secondary Structure Prediction using Fuzzy Nearest Neighbor Method

EPI Management system
Website for the current "Extended Program of Immunization" system of Bangladesh along with separate features for the administration, officers & users. It obtained the "Champion" prize in "BUET CSE-FEST 2013".

Invited Talks

Presentation on Grid World, Invited by AccessComputing Group (NOVEMBER 4, 2020)