Tazin Afrin
PhD Student, University of Pittsburgh

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INTENDED POSITION	Internship for Summer 2018 in **Natural Language Processing, Machine Learning, Data Science**

EDUCATION

PhD in Computer Science, University of Pittsburgh — *3rd year*
- **Advisor:** Dr. Diane Litman, Professor, Department of Computer Science, UPitt
- **Selected Coursework:** Foundations of Artificial Intelligence (Fall2015), Compiler Design (Spring 2016), Machine Learning (Spring2016), Distributed Systems(Fall2016), Human Computer Interaction (Fall2016), Natural Language Processing (Spring2017), Neural Networks for Natural Language Processing (Fall2017, Carnegie Mellon University), Computational Linguistics (Spring2018, CMU)

M.Sc. in Computer Science, West Virginia University — *Graduated: July 2015*
- Thesis Topic: *The Longest Common Subsequence via Generalized Suffix Trees*
- Advisor: Dr. Donald Adjeroh, Professor, LCSEE, WVU

B. Sc. in Computer Science and Engineering — *Graduated: April 2012*
Bangladesh University of Engineering & Technology, Dhaka, Bangladesh
- Thesis Topic: *A Study On Pairwise Compatibility Graph*
- Advisor: Dr. Md. Saidur Rahman, Professor, CSE, BUET

SKILLS

Programming Languages
- **Advanced/Proficient:** Python, C, Matlab, Java, HTML/CSS
- **Familiar:** C++, Javascript, Android, OpenGL, SQL, PHP, Assembly

Technologies
- **Frameworks and Tools:** PyTorch, NLTK, Scikit-learn, Git, AWS, LaTeX

EXPERIENCE

Graduate Research Assistant — *Current Position*
Graduate Teaching Assistant
Department of Computer Science, University of Pittsburgh — *September 2015 - August 2017*
- Introduction to Systems Software, Software Engineering, Compiler Design

Department of Computer Science, West Virginia University — *August 2013 - May 2015*
- Introduction to Computer Applications

PUBLICATION

Conference Publications
- **Tazin Afrin**, Diane Litman, "Annotation and Classification of Sentence-level Revision Improvement" The 13th Workshop on Innovative Use of NLP for Building Educational Applications, NAACL 2018.
- Richard Beal, **Tazin Afrin**, Aliya Farheen, Don Adjeroh, "A new algorithm for 'the LCS problem' with application in compressing genome resequencing data." IEEE International Conference on Bioinformatics and Biomedicine (BIBM), pp.69-74, 2015.
- Syed A Rahman, **Tazin Afrin**, Don Adjeroh, "Determinants of User Ratings in Online Business Rating Services." International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction (SBP), Springer, LNCS, pp.412-420, 2015.

Journal Publications
- Richard Beal, **Tazin Afrin**, Aliya Farheen, Don Adjeroh, "A new algorithm for "the LCS problem" with application in compressing genome resequencing data." BMC Genomics, v.17(Suppl 4):544, August, 2016

NOTABLE ACADEMIC PROJECTS
- Question Answering from Text/Paragraph, **Python, PyTorch, AWS**
- Fake News Challenge : Stance Detection in **Python**
- MINI-GOOGLE search engine in **C** and **Hadoop**
- Compiler for MINI-JAVA in **C** using **Lex & YACC**
- Public Speech Delivery and Pronunciation Feedback Using Vibration Interfaces, **Android, Python**
- Image Viewer and Editor (zoom, contrast, flip, crop) in **Java, Javascript**
- Minesweeper Game, Graphics Mega Structure Modeling in **C, OpenGL**
- Braille Numeric Recognition System in **Matlab**

HONORS, AWARDS & ACTIVITIES
- Vice-President, Computer Science Graduate Student Organization — May 2017 - Present
- Selected as Pitt Ambassador at Grace Hopper Conference — 2017
- Student Scholarship Award, LearnLab Summer School, Carnegie Mellon University — 2017
- SBP-BRiMS Student Travel Award and Diversity Scholarship — 2015/2016
- **Dean's Honor List** (Senior year of undergraduate) — 2011
- **Ministry of Education, Government of Bangladesh**
  - Excellence in Higher Secondary Certificate Examination, — 2006-2011
  - Excellence in Secondary School Certificate Examination, — 2004-2006