Mounica Kamesam

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Available: July 2018 – December 2018

Education

Northeastern University, Boston MA **Sept. 2016 – Present**
College of Computer and Information Science

Candidate for a Bachelor of Science in Computer Science, GPA: 3.21/4.0

Relevant Coursework: Object Oriented Design, Algorithms & Data, Database Design, Linear Algebra, Discrete Structures, Logic & Computation, Probability & Statistics, Embedded Design, Fundamentals of Computer Science

Honors: Deans Scholarship

Activities: NU Women in Technology club (NUWIT), NU Utsav (cultural), CCIS Peer Mentor

Yorktown High School, Yorktown Heights NY, GPA: 3.93/4.0 **June 2016**

Computer Knowledge

Programming/Scripting Languages: Java, Swing, ACL2S (*Proficient*) | C++/C, Linux/Unix, MATLAB, SQL (*Familiar)*

Frameworks/Tools: Eclipse, IntelliJ, Git, LaTeX, Adobe Suite (Photoshop/Illustrator/InDesign), Microsoft Office (Word, Excel, PowerPoint), Gene Expression Omnibus (GEO)

Projects

Shape Animator (Java): **Nov. 2017 – Dec. 2017**

- Collaborated with a partner on the full-stack development of an interactive shape animator program
- Implemented front-end GUI using Java Swing library features; tested program extensively with JUnit test classes

FreeCell Game (Java): **Sept. – Oct. 2017**

- Designed and developed data representations of FreeCell card game capable of single and multi-card movement

Flood-It Game (Java): **July 2017**

- Developed breadth-first search algorithm to design the Flood-It game for blocks of 8 colors in a 22x22 grid

Work Experience

Northeastern University, College of Computer and Information Science, Boston, MA **Sept. 2017 – Dec. 2017**
Teaching Assistant, Discrete Structures

- Graded 20 homework assignments biweekly
- Held 3 weekly office hours to answer students' questions and work out problems with them
- Collaborated with a professor in weekly recitation of 20 students; evaluated student performance on 4 quizzes

Icahn School of Medicine, New York, NY **June – Aug. 2014, 2015**
Summer Research Fellow, Department of Systems Biology and Pharmacology

- Completed 2 independent summer research projects on developing automated and semi-automated data mining strategies to improve breast cancer classification & comparing their performance
- Used various bioinformatics tools including MATLAB, SPSS, Gene Reference into Function (GeneRIF), The Cancer Genome Atlas (TCGA), Gene Expression Omnibus (GEO), & Enrichr for data scraping and analysis

Support Connection, Inc., Yorktown Heights, NY **Jan. 2016 – June 2016**
Civic Internship

- Coordinated various outreach, volunteer, and planning components of annual Spring Benefit and 5K Walkathon to raise money for breast and ovarian cancer
- Created PowerPoint of 500+ slides for Spring Benefit function; designed 3 logos/merchandise for organization

Awards & Accolades

Grace Hopper Celebration of Women in Computing Scholarship Recipient (2017), Intel Excellence in Computer Science (2015), Lise Meitner Award for Outstanding Woman in Science (2015), Superintendent/Scholar Athlete Award (2016)