Arushi Ahmed

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2018-2020 Rewriting the Code Fellow

Education:

University of Massachusetts Amherst, MA	**Expected Graduation Date:** May 2020

Bachelor of Science in Computer Science and Mathematics. Minors: IT and Psychology
Study Aboard in Dingle Ireland Winter of 2017

Employment:

University of Massachusetts Amherst, *Undergrad Teaching Assistant*   Amherst, MA   Sep 2019 – Present
• Working for the College of Informatics & Computer Science department for computer science course web programming 326.
• Help manage three out of thirty teams to make sure students are following the guidelines and due dates of project millstones.
• Co-instruct weekly lab sections and provide extra help to answers questions or concerns from students.

Northrop Grumman Mission Systems, *Software Engineer Intern*   Woodland Hills, CA   May 2019– Aug 2019
• Built a UDP graphic user interface multicast server in programming language C# for the weapons flight controller partitions.
• Developed a weapon flight controller timestamp program that calculates the average, and other time duration in C++.
• Implemented the Interface Control System Messages in programming language C++ for weapon Sensors/Effectors.

Bright Horizons Family Solutions, *HRIS/HR Operations Intern*   Watertown, MA   May 2018 – Aug 2018
• Used Google Analytics, Tag Manager, and Data Studio to analyze and provide website traffic data then create reports to senior management for making business decisions.
• Updated website content using HTML, CSS, and JavaScript while meeting design guidelines to improve the user experience.
• Used Cornerstones Data Wizard to upload user data to reduce website upload time from one week to one hour.

Projects:

Intermingle Website: *Human-Computer Interaction Independent Study*   Sept 2019 – Dec 2019
• Created a protype website that helps international and domestic students in the to connect within their University.
• Explored and research stress and adjustment issues that international students have while studying in the United States.
• Implemented Front-end UI design in React.jsx with Bootstrap and back-end with MongoDB and Node.js for server.

Trippin Website: *Web Programming Class Project*   Jan 2019 -May 2019
• A website where users can collaborate with their friends/peers to plan group events and know each other availability.
• Worked with a team to implement the site with the guidelines from MERN (MongoDB, Express, React.jsx, Node.js) Stack.
• Project emphasized on UI design layout to make it user friendly and accessible by using CSS framework React-Bootstrap.

Water You Listening To: *Human-Computer Interaction Class Project*   Dec 2018
• Created an iOS application to encourage users from all demographics to reduce their water usage when showering.
• The main focus of this project was building and designing the UI interfaces that is users friendly to navigate.
• Designed and implemented the application on XCode and programming language Swift.

Neighborly: Lending a Home, *Best Hack for Housing Inequality at SheHacks Boston 2018.*   Jan 2018
• Work with a team to develop an iOS app where people can offer their homes in their community for those in crisis.
• Created the front-end design and application on XCode in programming language Swift.

Skills:

Programming Languages: C/C++, C#, Java, Scala, Swift, HTML, CSS/CSS3, JavaScript, React.js, Express.js, Angular.js, & Ruby
Software: XCode, Visual Studio, Git, Microsoft Excel, Google Analytics, Google Tag Manager, & Google Data Studio
UX/UI Skills: Adobe Photoshop, Adobe Illustrator, Web Design, Mobile Design, User Research, & Design Research
Operating Systems: Windows, Mac OS, & Linux

Activities/ Volunteering:

Michelle Farnsworth Field Hockey Tournament, *Co-Founder and Organizer*   Aug 2015 - Present
• Started a field hockey tournament in honor of a friend raise money for the Michelle Farnsworth Scholarship Fund.
• Establishes communication with student-athletes, officials, Nashoba's athletic director and volunteers with the organization.
• Develops a schedule using Microsoft Excel software to organize game times and other logistical information.

UMass Amherst Informatics and CS for Women Club, *Co-Chair-President*   Sep 2017 - Present
• Elected President for Women in Informatics and Computer Science by the other Co-Chairs for Fall 2019 to Spring 2020.
• Help organize events and establish communication with the University to help grow the women in the CS community.
• Participated in numerous events such as *WeCode, Grace Hopper Celebration, SheHacks Boston*, and other hackathons.

UMass Amherst College of Informatics and Computer Science, *Peer Mentor*   Sep 2019 – Present
•Guide first year female students through the transition into college and majoring in computer science.
•Schedule monthly meetings to address questions or concerns to provide positive encouragement to continue in the major.