

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.
- Help managed three out of thirty teams to make sure students are following the guidelines and due dates of project milestones.
- Co-instruct weekly lab sections and provide extra help sessions 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 prototype 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.

Neighorly: 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.