

Arushi Ahmed

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2019-2020 Rewriting the Code Fellow | UMass Amherst Club Swimmer

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 University of Massachusetts Computer Science department for web programming course this semester.
- Co-instruct weekly lab sections and offer extra help sessions for students taking the course.

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.
- Implemented the Interface Control System Messages in programming language C++ for weapon Sensors/Effectors.
- Developed a weapon flight controller timestamp program that calculates the average, and other time duration in C++.

University of Massachusetts Amherst, Computer Assistant

Amherst, MA

Jan 2018 – May 2019

- Worked for University of Massachusetts Fine Arts Center in the IT department.
- Provided support in productivity software and ensure uptime of technical equipment for department.
- Developed updates to department websites, while meeting design guidelines to improve the user experience.

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.
- Used Cornerstones Data Wizard to upload user data to reduce website upload time from one week to one hour.
- Updated website using HTML, CSS, and JavaScript while meeting design guidelines to improve the user experience.

Projects:

Trippin Website: Web Programming Class Project

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 of four to implement in various components such as, React.js, Angular.js, and MEAN stack MongoDB.
- Contributed to mainly to the UI design layout on making it user friendly and accessible by using React-Bootstrap framework.

Water You Listening To: Human-Computer Interaction Class Project

Dec 2018

- Created an iOS app to encourage users from all demographics to reduce their water usage when showering.
- The main focus of this project was 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

- Developed 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 and programming language Swift.

Skills:

Programming Languages: C/C++, C#, Java, Scala, Swift, HTML, CSS/CSS3, React.js, Angular.js, JavaScript, and Ruby

Software: XCode, Visual Studio, Microsoft Excel, Microsoft PowerPoint, Microsoft Word, Adobe Photoshop, iMovie, Google Docs, Google Analytics, Google Tag Manager, and Google Data Studios

Operating Systems: Windows, Mac OS, and 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 to 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.
- Organized an online store on Society6 where people can buy various pieces of Michelle's artwork using Adobe Photoshop.

UMass Amherst CS for Women Club, Co-Chair and E-Board Member

Sep 2017 - Present

- Elected President for Women in Computer Science by the other Co-Chairs for Fall 2019 to Spring 2020.
- Helps organize events and establish communication with the University to help grow the women in the CS community.
- Participated in numerous events such as *SheHacks Boston*, *WeCode* and *Grace Hopper Celebration*.

UMass Amherst Changing Health Attitudes + Actions to Recreate Girls Social Committee

Sep 2017 – Present

- A national organization that ignites a passion in college-age girls for health and fitness.
- Help organize numerous social events throughout the school year to create a bond for women in health and fitness.

New England Bangladeshi American Foundation, Web-Master

May 2014 – May 2018

- Redesigned New England Bangladeshi American Foundation website to be more user-friendly and update content.