

# Arushi Ahmed

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2018-2020 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 College of Informatics & Computer Science department for web programming course this semester.
- 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.

University of Massachusetts Amherst, Computer Assistant Amherst, MA

Jan 2018 – May 2019

- Worked for the University of Massachusetts Fine Arts Center in the IT department.
- Provided support in productivity software and ensure uptime of technical equipment for the 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.
- 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:

Human-Computer Interaction Project: Independent Research Study

Present

- Creating a web application that provides a social support system for international students studying in the United States.
- Designing low fidelity prototype models using Sketch of different scenarios when a user is interacting with the site.

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 to implement the site in various components such as, React.js, Angular.js, and MEAN stack MongoDB.
- 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

- 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, JavaScript, React.js, Angular.js, & Ruby

Software: XCode, Visual Studio, Microsoft Excel, Microsoft Word, 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 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.

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

- Work with a team of ten girls to organize social events throughout the school year to create a bond for women in health and fitness.

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.