

# 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:

**Northrop Grumman Mission Systems, Software Engineer Intern** Woodland Hills, CA May 2019– Present

- Part of the Mission System sector working for Weapon Open System team.
- Building the Interface Control System Messages for weapon Sensors/Effectors in programming language C++.
- Building the Graphic User Interface for the weapons flight controller partitions in programming language C#.

**University of Massachusetts Amherst, Computer Assistant**

Amherst, MA

Jan 2018 – May 2019

- Worked for UMass 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.

**Bright Horizons Family Solutions, HRIS/HR Operations Intern**

Watertown, MA

May 2018 – Aug 2018

- Used Google Analytics and Tag Manager to provide website traffic data and 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.
- Project implemented in various components such as, React.js, Angular.js, Node.js, and MEAN stack MongoDB.
- Project UI design layout implemented using CSS framework React-Bootstrap.

**Multi-Threaded Chat System: Operating Systems Class Project**

Dec 2018

- Implemented a chat system server that supports multiple concurrent users, multiple rooms, and the ability for each user to send messages in their current room or individual users.
- Programed chat server and client in programming language C++ on a Linux/Posix sockets API.

**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/HTML5, CSS/CSS3, 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.
- Started an online store on Society6 where people can buy various pieces of Michelle's artwork using Adobe Photoshop.
- 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

- 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.