Arushi Ahmed

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|2019 Rewriting the Code Fellow | UMass Amherst Club Swimmer
Upcoming Software Engineering Intern at Northrup Grumman

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

Coursework: Algorithms, Data Structures, Computer Systems Principles, Intro to Human-Computer Interaction, Operating Systems, Reasoning Under Uncertainty (Statistic), Intro to Computation (Discrete Mathematics), Programming Methodology, Multivariable Calculus, Linear Algebra, Probability and Statistic I, Chemistry I, Biology I, and Physics I. **In Progress:** Abstract Algebra I, Intro to Scientific Computing I, and Web Programming.

Employment:

University of Massachusetts Amherst, *Computer Assistant*   Amherst, MA   Jan 2018 - Present
- Working for UMass Fine Arts Center in the IT department.
- Providing support in productivity software and ensure uptime of technical equipment for department.
- Developing updates to department websites, while meeting design guidelines.

Bright Horizons Family Solutions, *HRIS/HR Operations Intern*   Watertown, MA   May – Aug 2018
- Used Google Analytics, Tag Manager, and Data Studio 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.

Sacred Heart University, *Gaming/Network Lab Assistant*   Fairfield, CT   Sep 2016 – May 2017
- Maintained and managed the gaming/networking lab for Sacred Heart Computer Science department.
- Supported equipment while performing maintenance of deployments.

Projects:

Multi-Threaded Chat System: *Operating Systems 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 C++ on a Linux/Posix sockets API.

Water You Listening To: *Human-Computer Interaction 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.

Hold On: *Let Me Check My Calendar* **Website:** *HackUmass Project*   Oct 2018
- Created a website where people can schedule events and know when another people's availability based on metrices.
- Outlined designs specifications for frontend and programming languages in HTML/HTML5, CSS/CSS3 and JavaScript.
- Helped designed backend designs using Ruby on Rails with PostgreSQL.

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++, 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 Co-Chair for Women in Computer Science by the other Co-Chairs in spring 2019.
- Helps organize events to help grow the women in the CS community.
- Participated in numerous events such as *SheHacks* Boston, *WeCode* and *Grace Hopper Celebration.*

New England Bangladeshi American Foundation, *Web-Master*   May 2014 – Present
- Redesigned New England Bangladeshi American Foundation website to be more user-friendly and update content.