Fahim Bashar

Temple University Graduate

14359 Old Mill Road
Centreville, VA 20121
(703) 459-6409
fahimbashar.official@gmail.com

OBJECTIVE

Quick learning individual seeking employment as an entry-level software developer at a fast pace environment to use skills learned in undergraduate and further develop skills in frameworks and services used in the workforce.

EDUCATION

Temple University, Philadelphia, PA
B.S. Computer Science, GPA: 3.70
August 2019 - December 2022

Relevant Undergraduate Coursework:

- Honors Program Design/Abstraction
- Data Structures and Algorithms
- Automata, Computability, and Languages
- Computational Probability and Statistics
- Wireless Networks and Security
- Linear Algebra

Relevant Graduate Coursework:

- Programming Techniques
- Principles of Data Management

SKILLS AND PROJECTS

Languages:

- Java
  - Created a Pokémon-esque RPG game in Java that utilized event loops, keyboard input, JFrames, abstract classes, and javax Clip objects.
  - Created a Family Tree program using JavaFX that could create nodes for each family member and marital/ancestral connections between individuals. Wrote a two way breadth first search algorithm capable of determining not only the exact relationship between two people, but also who the closest relative is between two individuals.
- C
  - Used mainly for Operating Systems class assignments. Created a shell capable of taking Unix commands and presenting correct output in C.

- C#
  - Worked in a team to develop a multiplayer dungeon crawler game in C# with procedurally generated dungeon levels, a PVP arena, and item drops that impact players' in game values and performance. Project was done using Unity Hub.
- C++ (1 year)
  - Learned test driven development with test classes that I developed using C++ in a software design class.
- Python, Django
  - Organized thousands of lines of sales data from a CSV in Python and derived information regarding best times to display advertisements for sales, which cities had the best sales, and which products are most frequently purchased together. Learned how to use the Pandas library.
  - Created a website using Django and Bootstrap that just displays resume info.
- Git
  - Used Git as a version control tool throughout undergraduate. Familiar with Git bash and Git commands, though later on primarily used the Github Desktop GUI.
- SQL, SSRS
  - Created a database containing one million tweets scraped off of Twitter in MySQL Workbench. With this database, I wrote numerous queries in SQL to discover information. This was for the final assignment in my Principles of Data Management course. I used the MySQL Shell and Workbench GUI in order to run various queries. All of the queries were optimized as well.
  - Developed numerous SSRS reports using Visual Studio 2022 using the AdventureWorks 2019 database in Microsoft SQL Server Management Studio 19. Created drill down reports, matrix reports, drill through reports, and subreports. Created reports with beautiful charts for visualization of data, and have knowledge of how to deploy and manage reports.
- MongoDB, JSON
  - Created a database using the same one million tweets. Performed 10 queries on this NoSQL database using both MongoDB Compass and MongoSH. Several required various pipelines and aggregates to be created. Optimized every query and tested the optimization using the MongoDB Compass Explain Plan tool.
- Javascript, React, Angular
  - Created a playable piano that is locally hosted using Javascript, HTML, and CSS.
  - Made a simple functioning todo list using React and CSS.

Testing: JUnit, PyTest, C# unit testing
IDEs: Visual Studio Code, IntelliJ Idea
Databases: MySQL Workbench, MongoDB Compass, MongoSH, pgAdmin, MS SQL Server 2019, Oracle
Development Framework: .NET 6
Web Technology: ASP.Net, REST API, XML, JSON
General: Unix/Linux, Unity Hub, Microsoft Office, Scrum Framework, Agile Framework
Personal Traits: Exceptional writing skills, Vocal speaker, Good listener, Honest, Amicable, Cleanly

LEADERSHIP EXPERIENCE
Capstone Project Leader
August 2022 - December 2022
Managed and led a team of five other developers to create a dungeon crawler game using C#. The game was developed using the scrum agile framework with the Rally project management tool to manage sprints.

Saxophone Quartet Leader
August 2017 - June 2019
Assisted members with difficult sections and scheduled rehearsals to promote musical cohesion in practice. Breaks were encouraged and social cohesion activities such as group dinners and games were promoted. Group won several awards.

AWARDS
Temple University Dean's List
Fall 2019, Fall 2020
Louis Armstrong Jazz Award
Spring 2019
Temple University Honors Program

HOBBIES AND INTERESTS
Fishing, lifting weights, reading, playing the saxophone, fishkeeping, learning japanese, and soon some martial art and archery or shooting