

# Mazin Abdelrahman

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## Education

### Bachelor of Science, Computer Science

Expected Graduation: 2024

Virginia Polytechnic Institute and State university, *Blacksburg, VA*.

*Courses:* Computer Organization, Problem Solving in CS, Software Design and Data Structures, Software Design.

### High School Diploma

Aug 2016 – Jun 2020

Miller School of Albemarle, *Charlottesville, VA*

- GPA: **3.8/4.0**
- Created a Java programming curriculum in collaboration with school administrators and the Technology Coordinator.

## Experience

### Bug Tracker

Dec 2021 – Feb 2022

- Designed the class architecture using MVC principles with a focus on run-time speed, efficiency, and scalability.
- Successfully implemented the back-end using C# and the ASP.NET Core framework and the front-end using HTML, CSS, JavaScript and the bootstrap framework.
- Created and maintained a SQL database using the Entity framework to handle all CRUD operations.

### Machine Learning: Number Guesser Game

Jun 2018 – Jun 2018

- Implemented a reinforcement learning mode using TensorFlow for the machine learning algorithm such that the computer guesses an input number without knowing what the number actually is.
- Designed the game environment using Python.

## Activities

### BSU Club Vice-President

Sep 2019 - May 2020

*Charlottesville, VA*

- Organized meetings with faculty to discuss diversity issues and proposed solutions positively affecting over 200 students.

### Harvard Model Congress/Debate Club

Feb 2020

*Boston, MA*

- Drafted, debated, and proposed a bill to over 400 students and faculty in the second largest annual congressional simulation conference in the world.

### Thomas Edison Hydroelectric Turbine Restoration

Sep 2019 – May 2020

*Charlottesville, VA*

- Worked as part of a selected team of engineering students to help install, renovate, and rebuild new turbines for an antiquated hydroelectric system believed to have been built by Thomas Edison himself.

### Ronald McDonald House Charity

Sep 2019 - May 2020

*Charlottesville, VA*

- Volunteered 4 hours per week to help terminally ill patients.

## Skills

### Programming

Java, Python, C#, SQL, HTML, CSS, C

### Frameworks

ASP.NET 6.0 Core, JUnit, Entity

### Tools

Visual Studio, VSCode, Eclipse, Atom, CentOS

### Languages

English, Arabic