

Mohammad Murad

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Education

UNIVERSITY OF VIRGINIA

Bachelors in Computer Science w/ Minor in Data Science, GPA: 3.924

Echols Scholar, a distinction given to a student with significant intellectual engagement

Charlottesville, VA

May 2024

Skills & Relevant Coursework

Technical: Python, Java, JavaScript, React, C#, HTML, CSS, Django, Bootstrap, SQL, Amazon Web Services (AWS), NumPy, Pandas

Coursework: Data Structures & Algorithms, Software Development Essentials, Machine Learning, Intro to Artificial Intelligence

Certificates: Ultimate AWS Certified Solutions Architect Associate (July 2022)

Awards: Best Domain Usage (2021): Awarded at HooHacks 2022

Experience

Software Engineering Intern, Leidos

May 2023 – Present

- Actively collaborated with experienced developers to contribute to the design, coding, testing, and debugging of enterprise-ready software applications in languages such as Java, React, and C#.
- Assisted in the software testing and quality assurance processes, meticulously executing test cases, analyzing results, and providing valuable feedback to the development team to ensure the delivery of high-quality software.
- Demonstrated strong documentation skills by creating and maintaining software specifications, user manuals, and technical reports, ensuring accurate and comprehensive information for end-users and internal stakeholders. Additionally, provided technical support and proficiently resolved software-related issues to both the front-end and back-end team.

Research Assistant, UVa Darden School of Business

August 2022 – Present

- Worked with Dr. Ian Appel on research concerning a variety of topics in Web3.0, including decentralization, blockchain technologies, and token-based economics.
- Utilized Python (web scraping, APIs) and NumPy to collect and process data for further usage and analysis.
- Collected, analyzed, and presented statistical findings to Dr. Ian and several business practitioners, using NumPy and Pandas.

Junior Developer, theCourseForum

September 2021 – August 2022

- Maintained and regularly updated www.thecourseforum.com using Bootstrap 4, JavaScript, HTML, Python, and Django.
- Managed and updated PostgreSQL databases.
- Brainstormed and engineered a Question and Answer feature for the website, in frequent collaboration with the Design team.

Residential Advisor, UVa Housing & Residence Life

August 2022 – Present

- Advise and support upwards of 40 First-year students, including easing adjustment to University life, fostering meaningful connections, and regularly checking in to ensure access to vital information and guidance to succeed at the University.
- Serve as a positive role model by following and implementing the University's Standards of Conduct and Resident Staff expectations.

Projects

Hoo Art Thou (2022) - Technologies Used: HTML, CSS, JavaScript

- Led a team in the 2022 HooHacks Hackathon in building a website that assessed a user's personality based on art piece preferences.
- Awarded Best Domain Usage.

Wordle Clone (2022) - Technologies Used: Java, Gradle, JUnit, Maven

- Designed and implemented a fully working Wordle Clone.
- Utilized Test Driven Development to develop the project, while also collaborating with a team of developers.
- Developed a JavaFX GUI for the code, to allow better usability for clients.

Blackjack Simulator (2022) - Technologies Used: Java

- Built a blackjack simulator game, along with a blackjack player implementing an optimal playing strategy.
- Utilized Vectors I had implemented myself in memory to store the "decks" and "cards".