

Fieraol Shiferaw

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Software Engineer

Well versed in a multitude of full stack application development technologies and programs. Skilled in problem-solving and critical thinking, as well as collaboration, leadership, and adaptability.

EDUCATION

University of Maryland

College Park, Maryland

Bachelor's in Computer and Information Science

08/2020 - 05/2024

Related Coursework: Object-Oriented Programming I & II (**Java & Python**), Introduction to Computer Systems (**C**), Database Design and Modeling (**MySQL**), Dynamic Web Applications (**JavaScript, HTML, & CSS**), Data Sources and Manipulation (**Python, SQL, Pandas, Numpy, & Jupyter Notebook**)

TECHNICAL SKILLS

Java, Javascript, React.js, Node.js, NestJS, Angular, Typescript, RESTful, Python, Flask, Snowflake, Celery, PostgreSQL, MySQL, DynamoDB, HTML, CSS

TECHNICAL PROJECTS

NBA Teams WebApp - [GitHub](#)

10/2023 - 12/2023

Designed and developed a web application in **JavaScript, HTML, and CSS** which creates a visualization of the NBA standings.

- Fetches data from an open **API** (found on Rapid API)
- Uses JavaScript library **Chart.js** to create a bar chart of each team's number of wins
- Able to filter through the teams with the use of a search bar, updating the Chart.js visualization

Library Database

03/2023 - 05/2023

Created a **database** of books using **MySQL**

- Separate tables for different components (10 total tables) such as genres, authors, book type, etc.
- Created a list of **queries** to call on different items (using joins)

Clear Cell Game

03/2021

A game where the objective is to maximize the colored cells cleared from the board.

- Java** based game with a user interface
- Uses **recursive** methods

EXPERIENCE

Almartha IT Consulting Inc.

Silver Spring, Maryland

Software Engineer Integration

06/2024 - Present

- Lead software integration projects for data migration, API integration (RESTful), and Service-Oriented Architecture, ensuring seamless connectivity between IT systems.
- Develop features of software products using React.js, Node.js, DynamoDB and PostgreSQL
- Test products using Unit Tests, E2E Tests, and Integration tests (using Karma, Jest, and Cypress).
- Collaborate with clients to understand their technology needs and challenges, providing tailored solutions for successful software implementation.

A Game of Rooms

North Bethesda, Maryland

Tech Intern

08/2019 - 01/2020

- Worked with Arduino Uno to create devices for escape rooms
- Used a combination of software (C++) and hardware (circuitry & soldering) to make interactive mechanisms

LEADERSHIP

Sunday School Teacher

Washington DC

DSK Mariam Ethiopian Orthodox Tewahedo Church

06/2018 - Present

- Taught a community of young kids at my church Bible Study
- Organized lessons with a group of teachers

NSBE Member

08/2016 - 12/2019

- Attended meetings with other engineers in my school
- Completed computer engineering-based research