Bereket Sega

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Seeking an Internship or Entry-Level Opportunity in…

Software Engineering

- BSCS undergrad offering a strong foundation in software engineering and programming fundamentals.

- Experienced in object-oriented programming, developing, and debugging code.

- Learn and master new technologies effectively, Comfortable working with a team.

Education

- **Towson University – Towson, MD**   *SEP 2020 - JUNE 2024*
    - Bachelor of Science in Computer Science (BSCS)
    - Relevant Courses: Data Structures and Algorithms, Discrete Mathematics, Computer Organization and Architecture, OOP

Technical Skills

- **Programming Languages:** Java, Python, C++, JavaScript, HTML, CSS
- **Version Control:** Git, GitHub
- **Database:** MySQL, MongoDB, PostgreSQL
- **Tech:** MERN, React, NodeJS, REST, JSON, Docker, npm, JWT
- **Tools:** Visual Studio Code, Jupyter Notebook

Personal Projects

- **Discord Bot -** [source code]

    - created a discord bot to play wordle with.
    - developed using discord npm packages as an API to create a client.
    - deployed the bot using Heroku cloud platform.

- **Premier League Predictor -** [source code]

    - a model that predicts premier league games.
    - developed an algorithm using python on Jupyter Notebook to predict premier league games based on away and home goals history.
    - applied the Poisson distribution to determine the chances of an event happening again.

- **GPA Calculator -** [source code] [Live Demo]

    - a webapp that calculates the GPA for a given credits and letter grades.
    - developed using VanillaJS, HTML, and CSS.
    - used GitHub pages to deploy the website.