Brian Bates

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Education

New Jersey Institute of Technology, Newark, NJ
B.S. in Computer Science
Graduation: May 2024 GPA: 3.3
Dean's List: Fall 2020, Spring 2021, Fall 2022, Fall 2023

Projects

Chess - React, Typescript, Javascript, Python, and SQL
- Implementation of an online chess game with a leaderboard
- Players can verse a human or the stockfish AI with an adjustable elo

Web Scraping Site - PHP, SQL, Python, and Bash
- Scraped two retail stores for a set list of similar items to be redisplayed
- Automatically Curled, TagSouped, Parsed, and marked up 25 similar items from each store to be resold

Bookstore - PHP, SQL, Javascript, HTML and CSS
- Designed with functionality for viewing the bookstore, requesting to add books, and joining a mailing list.
- Stored all the books and mailing lists inside a SQL database.

Taxi Driver - Python
- Built a machine learning model to solve a modified OpenAIs taxi driver problem
- Utilized a Q-learning algorithm on a 25X25 maze that starts at a random location and finds the most efficient path to pick up and drop off a passenger

Skills

- Python, C, C++, C#, Java, Javascript, TypeScript, React, PHP, SQL, Node.js, Angular, Pytorch, Sklearn, WordPress, Bash, HTML, CSS
- AWS Academy Graduate

Experience

Visual Intelligence, LLC Software Engineer Intern January 2024 - Present
- Refactored website in WordPress to improve user experience
- Researched medical AI to create standardizations and regulations

Shoprite of Rochelle Park Produce Clerk May 2021 - Present
- Collaborate as a team to ensure the smooth functioning of the department
- Assist in managing and tracking inventory stock while ensuring customer satisfaction

Fair Lawn School District Summer Student Tech Help July 2018 - September 2019
- Maintained, updated, and upgraded computers for the school system
- Efficiently communicated as a team to ensure all the systems were addressed