Brian Bates

Brian Bates
Address: 12-60 George Street Fair Lawn, NJ 07410
Contact: 201-923-3412 brianbates5354@gmail.com
Links: https://github.com/brianbates928 https://www.linkedin.com/in/brianjbates/

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

About me

- 7+ years of experience in programming, cleaning, and optimization code
- Ambitious about learning and passionate about technology
- Motivated and compassionate about making a positive impact on the lives of others

Projects

- **Chess** - A full stack deployment of chess created in a 4-person team that is added onto the covey.town code base. Covey Town is a basic online game where people can walk around and join different conversation areas. This uses Chess.js and react-chessboard to ensure the functionality of the chess logic. There is an added timer, a leaderboard connected to a database, and a forfeit button added to the game. This game allows you to either play with another player in the game, or you can play against the stockfish AI that has an adjustable elo setting.
- **Taxi Driver** - A Q-learning program based on OpenAI Gym's Taxi Driver problem. This uses a 25X25 map to start at a random location and the algorithm finds the most efficient path to pick up a passenger and bring them to their desired location.
- **Web Scraping** - This took two similar items, like Pepsi and Coke, from two different websites, Albertsons and Rite Aid, and resold them. This automatically pulled 25 items from each store, including prices, names, and descriptions, and displayed them on my website for a markup. Whenever an item is clicked, it shows the other store's similar item and highlights the better deal before confirming a purchase.
- **Bookstore** - A bookstore website that has 5 main pages. These are the home page, create a new book to add to the store, about the bookstore, contact the store, and join the mailing list. All the books and mailing lists are stored inside a SQL database.

Skills

- Full stack development, Python, C, C++, C#, Java, Javascript, TypeScript, React, Bash, PHP, SQL, Node.js, Angular, HTML, CSS
- Upgrading and updating hardware and software
- Effective problem-solving and adaptability to changing situations

Experience

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
- Ensure 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
- Be on call for returning teachers who require help