
Brian Bates

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<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 passionate about making a positive impact on the lives of others

Projects

Personal Website (In Progress) - A Javascript Website about who I am. <https://brianjbates.xyz/>

- This is an expansion on my resume that will continuously be updated with ongoing projects
- This site is built in Javascript and hosted with Cloudflare.

Chess - A web game built in covey.town with React, Typescript, Javascript, Python, and SQL

- This is an implementation of an online chess game with a leaderboard.
- Players have the choice of versing a human or the stockfish AI with an adjustable elo.

Web Scraping Site - Website built with PHP, SQL, Python, and Bash

- This was built by taking two similar items, like Pepsi and Coke, from two websites, Albertsons and Rite Aid, and reselling them for a markup.
- This website can automatically pull 25 items from each store, including prices, names, and descriptions, and redisplay them. Whenever an item is clicked on, the user is brought to a new page where the item is compared to the other store's similar item and with the better deal highlighted before the user confirms the purchase.

Bookstore - A bookstore website made in PHP, SQL, Javascript, HTML and CSS

- This has 6 pages: the home page, about the bookstore, add a new book to the store, list all current books, contact the store, and join the mailing list.
- All the books and mailing lists are stored inside a SQL database.

Taxi Driver - A machine learning model to solve a modified OpenAIs taxi driver problem in Python.

- The problem uses a 25X25 maze which starts at a random location and the model finds the most efficient path to pick up a passenger and bring them to their location.
- A Q-learning model was used to solve this problem.

Skills

- Python, C, C++, C#, Java, Javascript, TypeScript, React, PHP, SQL, Node.js, Angular, Pytorch, Sklearn, Bash, HTML, CSS
- Effective problem-solving and adaptability to changing situations
- Enrolled in AWS training to become an AWS Certified Cloud Practitioner

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 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