

# Mattheus Faria

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## EDUCATION

### Worcester Polytechnic Institute

*Bachelor of Science in Data Science, Minor in Business, GPA 3.75/4.0*

Worcester, MA

August 2020 - March 2024

## SKILLS

**Programming Languages:** Java, Python, C, JavaScript, HTML, CSS, R, SQL

**Tools & Frameworks:** Flask, React.js, d3.js, Node.js, Git, AWS (Lambda, API Gateway, RDS, S3)

## PROJECTS

### NVIDIA Interactive Qualifying Project

Jan. 2023 – May 2023

- Worked with two teams of 4 to design, implement, and test an FPS video game environment with the aim of testing the effects of latency compensation techniques on player experience.
- Managed the collection of in-game data and round-based questionnaire data through SQL to create multiple data visualizations that were analyzed in a report published by WPI.

### AI Chess Player

Dec. 2022 – Jan. 2023

- Created a chess bot using artificial intelligence and chess game engine that can generate all legal moves for a given board state.
- Implemented a recursive minimax algorithm with alpha-beta pruning to determine the best move for the bot, considering a specified depth limit.
- Utilized a heuristic evaluation function to assign a score to each board state and used it to determine the optimal move for the bot.

### Kickstarter Clone

Nov. 2022 – Dec. 2022

- Developed a clone website of Kickstarter using React.js and Amazon Web Services, with a focus on scalability.
- Implemented a MySQL database using Amazon RDS to manage the backend of the website, allowing for efficient and reliable data storage.
- Developed serverless Lambda functions to handle API calls to the database, allowing for flexible and scalable backend functionality.

### Spotify Data Visualization Website

March 2022

- In a team, used Python for data collection, cleaning and management scraped from Spotify top hits playlists.
- Used HTML and D3 JavaScript library to create an interactive visualization displaying various data points pertaining to the best songs of 2018 – 2021.

## EXPERIENCE

### Data Analyst Intern, Main Street Bank, MA

Dec. 2022 – Present

- Report writer for multiple operational branches of a bank. Learning skills in analyzing data and communicating findings in a clear and readable manner.
- Preparing for the Bank's large internal-system conversion by gathering knowledge in current reports in order to concisely write similar, yet improved reports to help bank operations.
- Contacting a wide range of branch managers and C-suite executives to gather information and data to create comprehensive reports that support the bank's decision-making process.

### Float Teller/Banker, Main Street Bank, MA

July 2021 - Dec. 2022

- Travelled to different branches in Massachusetts to help whenever needed.
- Received and processed large transactions, developed high mental math ability and financial management.
- Developed priority, problem solving and communication skills when faced with transaction errors and handling them to enhance customer experience.