

# Eric Gutierrez

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## EDUCATION

### Bachelor of Science in Computer Science

University of Texas at Tyler

Spring 2024

GPA 3.62

Relevant Courses: Programming Fundamentals, Object-Oriented, Data Structures and Algorithms, Information Management, Software Development, Database Management, Computer Architecture, Algorithm Analysis

### Associate of General Studies

Tyler Junior College

Spring 2020

GPA 3.51

## SKILLS

- Technical Skills: Java, HTML, CSS, JavaScript, C++, Spring Boot, React.js, MongoDB, REST APIs, AI, Naive Bayes classifier, SQL, MySQL, Machine Learning
- Soft Skills: Teamwork, Communication, Adaptability, Resilience, Leadership, Strategic Thinking

## PROJECTS

### AI Job Status Tracker

Python, JavaScript, HTML, CSS | Spring 2024

- Designed Job Harvester, a Chrome extension to improve job application tracking by automating hourly and weekly checks for new emails and ghosted application statuses. By integrating Chrome's Alarms API, this tool ensures 100% accuracy in capturing incoming emails.
- Trained two AI models using the Naive Bayes classifier, achieving 90% accuracy in filtering, and categorizing job emails. This system distinguishes between job offers, rejections, and interview invitations, reducing manual email sorting by up to 83% for users.
- Optimized API usage by implementing data-fetching strategies mechanism, staying within rate limits. This approach reduced unnecessary server requests by over 90%, enhancing the tool's efficiency.

### Media Inventory System

Java, Spring Boot, React.js, MongoDB | Fall 2023

- Developed a Media Inventory Web Application for book inventory management, enhancing load times and user experience through an efficient paging mechanism displaying 20 books per view.
- Integrated a feature for the Google Books API into the Media Inventory Web Application, significantly reducing API calls from about 1000 to nearly zero, optimizing resource utilization.
- Engineered an optimized table for the Media Inventory Web Application, resulting in a 63% uplift in inventory management efficiency, and significantly cutting down time for entries, updates, and data retrieval. <https://github.com/TheEMG/Media-Inventory-System>

### Personal Library Web Application

Java, Spring Boot, React.js, MongoDB | Fall 2023

- Spearheaded the development of a Personal Library Web Application, leveraging Java, Spring Boot, MongoDB, and React.js. The application efficiently manages a catalog scalable to hundreds of books, ensuring robust performance and user-friendly interactions.
- Led a team of 5 through 30 Agile sprints over 15 weeks, completing the Personal Library Web Application one week ahead of the 15-week deadline, which showcased our ability to enhance team efficiency and expedite product delivery. <https://github.com/TheEMG/LibroVaultFinal>

### Web Portfolio

Next.js, Tailwind CSS | Spring 2023

- Engineered a responsive portfolio with Next.js and Tailwind CSS, securing Lighthouse scores of 94/100 for performance and accessibility, indicative of swift load times and broad device compatibility.
- Crafted a user-centric navigation framework, accommodating diverse projects and ensuring intuitive access. The portfolio's superior SEO optimization is evident with a Lighthouse score of 100/100, enhancing search engine visibility. <https://ericgutierrezdu.com/>

## CERTIFICATIONS

### IBM Full Stack Software Developer Professional Certificate – IBM (Coursera)

January 2024

- Skills Acquired: HTML, CSS, JavaScript, React.js, Python, Flask, Cloud Computing, Git, GitHub.
- The curriculum covers both front-end and back-end technologies, emphasizing implementing solutions that leverage the scalability and flexibility of cloud-native architectures.
- Engaged in a series of hands-on projects to reinforce and apply core full-stack development skills in real-world scenarios, thereby increasing my adeptness across the entire software development spectrum.

## WORK EXPERIENCE

### John Soules Food (Beef Trim)

November 2020 – December 2021

- Processed meat with an efficiency rate of 60 lbs. per 30 minutes, significantly enhancing productivity.
- Demonstrated versatility and team collaboration by mastering every position on the processing line.