

# Eric Gutierrez

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## CAREER OBJECTIVE

Aspiring Software Engineer with a strong foundation in computer science. Eager to secure a role that allows me to contribute to both front-end and back-end development, creating innovative services and processes. Committed to open communication, adaptability, and a continuous learning mindset.

## EDUCATION

### Bachelor of Science in Computer Science

Expected: May 2024

University of Texas at Tyler

GPA 3.71

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

### Associate of General Studies

May 2020

Tyler Junior College

GPA 3.51

Member of Honor Society *Phi Theta Kappa*

## SKILLS

- Technical Skills: Java, HTML, CSS, JavaScript, C++, Spring Boot, React.js, MongoDB, REST API's
- Soft Skills: Teamwork, Communication, Problem-Solving, Adaptability, Time Management. Resilience

## PROJECTS

### Media Inventory System

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

- Designed and launched a Media Inventory Web Application, utilizing Java and Spring Boot for a robust backend operation, complemented by a dynamic and responsive frontend built with React.js.
- Integrated RESTful API services, including the Google Books API, to facilitate real-time inventory data processing and state management. This integration ensured persistent data availability and enhanced user interactions with access to comprehensive book details.
- Drove a 63% uplift in inventory management efficiency by engineering an optimized dynamic table, significantly cutting down on time for entries, updates, and data retrieval.

### Libro Vault

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

- Spearheaded the development of Personal Library Web Application, successfully integrating Java, Spring Boot, MongoDB, and React.js to create a powerful tech stack that met project requirements.
- Demonstrated my software engineering proficiency by creating a robust backend in Java and Spring Boot, establishing a solid foundation for the application's growth and reliability.
- Championed Agile practices, leading regular sprints and fostering team collaboration to deliver software that meets stringent quality benchmarks. <https://github.com/TheEMG/LibroVaultFinal>

### Personal Web Portfolio

Next.js Tailwind CSS | Spring 2023

- Developed a portfolio with Next.js, capitalizing on server-side rendering for faster load times and enhanced search visibility, while Tailwind CSS enabled a responsive and uniform user experience on all devices.
- Integrated RESTful APIs to deliver real-time, dynamic content, enhancing user engagement with interactive elements and animations that bring the user interface to life.
- Established a user-centric navigation framework, designed to accommodate a broad spectrum of projects across multiple programming disciplines ensuring intuitive access and streamline exploration experience within the portfolio. <https://ericgutierrezdu.com/>

### Sorting Algorithm Efficiency

Java | Spring 2023

- Conducted an in-depth study of sorting algorithms' efficiency, developing a Java-based program that systematically evaluated performance against expanding datasets.
- Programmed and compared multiple sorting algorithms in Java—including insertion, selection, merge, and an optimized bubble sort—to benchmark their efficiency and scalability with growing data sequences.
- Demonstrated expertise in algorithm design and optimization, applying systematic analysis to improve sorting efficiency. <https://github.com/TheEMG/SortingAlgorithmEfficiency>

## Work Experience

### John Soules Food (Beef Trim)

Fall 2021

- Successfully collaborated with colleagues as part of a team, contributing to a productive and cohesive work environment.
- Demonstrated exceptional adaptability and a rapid learning curve by mastering all positions within the meat processing line.
- Thrived in challenging working conditions, such as cold weather, by maintaining a strong work ethic and a positive attitude, ensuring consistent performance.