

Eric Gutierrez

ericgutierrezedu@gmail.com | www.ericgutierrezdu.com | www.linkedin.com/in/eric-gutierrezedu/

Education

Bachelor of Science in Computer Science

May 2024

University of Texas at Tyler

GPA: 3.62

Relevant Coursework: Algorithm Analysis, Database Management, Software Development, Net-centric Computing

Projects

AI Job Status Tacker | Python, JavaScript, HTML, CSS

- Ensured 100% accuracy in capturing new emails and updating ghosted application statuses by developing a Chrome extension that automates job application tracking.
- Achieved 90% accuracy in categorizing job emails by training AI models using Naive Bayes classifier, significantly reducing manual sorting up to 83%.
- Boosted tool efficiency by optimizing API usage with a time-frame based data-fetching strategy, reducing unnecessary server requests by over 90%.

Media Inventory System | Java, Spring Boot, React.js, MongoDB github.com/TheEMG/Media-Inventory-System

- Increased inventory management efficiency by 63% by creating an optimized table, reducing processing time for data entries, deletions, and updates.
- Reduced API calls from about 1000 to nearly 0 by implementing a user-initiated fetch mechanism and caching results for the Google Books API, optimizing resource utilization and enhancing performance.
- Improved user experience and system scalability by integrating an efficient paging mechanism, displaying 20 books per view.

Personal Library Web Application | Java, Spring Boot, React.js, MongoDB github.com/TheEMG/LibroVaultFinal

- Led a team of 5 through 30 Agile sprints, completing the project one week ahead of the 15-week deadline.
- Enhanced catalog management for hundreds of books by developing a scalable web application, ensuring robust performance and user-friendly interactions.

Web Portfolio | Next.js, Tailwind CSS

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- Achieved Lighthouse scores of 94/100 for performance and accessibility by engineering a responsive portfolio, ensuring swift load times and broad device compatibility.
- Improved search engine visibility with a Lighthouse score of 100/100 by crafting a user-centric navigation framework and optimizing the portfolio's SEO.

Certifications

IBM Full Stack Software Developer Professional Certificate - IBM (Coursera)

Jan 2024

- Skills Acquired: Python, JavaScript, Flask, Git, Github, HTML, CSS, React.js, Cloud Computing.
- Covered front-end and back-end technologies, with a focus on cloud-native architectures, by completing hands-on projects to apply core full-stack development skills.

Experience

Meat Processor, John Soules Food – Tyler, TX

Jan 2021 – Dec 2021

- Processed 60 lbs. of meat per 30 minutes, enhancing productivity and maintaining a consistent workflow by implementing precise cutting and trimming techniques
- Mastered every position on the processing line, demonstrating versatility and teamwork by quickly adapting to different roles and collaborating effectively with colleagues.

Skills

- **Programming Languages:** Java, JavaScript, Python, SQL, HTML, CSS, C++
- **Frameworks and Tools:** Spring Boot, React.js, REST API's, MongoDB, MySQL, Machine learning