

JERRY ARGUELLO

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<https://github.com/ProjectJerryLucasArguello>

EDUCATION

Passaic County Technical Institute

Computer Science

Wanye, NJ

Sep. 2019 – May 2023

New Jersey Institute of Technology

BS, Computer Science; GPA: 3.53/4 - Dean's List Recipient

Newark, NJ

Sep. 2023 – Present

PROFESSIONAL EXPERIENCE

Shop Rite

Technical Assistant

Passaic, NJ

Jan. 2023 – Dec. 2023

- Monitored and maintained employee clock-in/out records, ensuring data accuracy for scheduling and payroll systems.
- Verified inventory data and reconciled delivery records to support efficient stock management processes.
- Provided support for internal systems, assisting team members with troubleshooting and database updates.

SELECTED PROJECTS

NJIT Finals Location Finder ([GitHub](#)):

- Utilized **Jupyter Notebook** to preprocess a CSV file, organizing the data into a structured format suitable for ingestion into a **MySQL** database, ensuring seamless integration and querying
- Developed a full-stack web application using **Flask** and **MySQL** to allow students to retrieve final exam locations and details
- Designed **RESTful API** endpoints to fetch exam data and integrated Flask-Mail to send exam details to users
- Built frontend features for data display and search functionality using **React** and **Axios**, ensuring responsiveness with **CSS** and **Tailwind**.
- Wrote test cases using **pytest** for **API routes**, increasing code reliability and facilitating future enhancements.

NFL Fullstack Website Search ([GitHub](#)):

- Developed a dynamic application to manage NFL player statistics using **React.js** and **Tailwind CSS** for the frontend and Spring Boot for the backend
- Created **REST APIs** for seamless communication between the frontend and a relational **PostgreSQL** database
- Implemented **CRUD operations** for advanced search functionality with filters for player details, enhancing user experience
- **Tested and validated** API functionality extensively using **Postman**, ensuring robust backend performance
- Optimized database queries and error-handling mechanisms to enhance system reliability

TECHNICAL SKILLS

Languages: Java, Python, HTML/CSS, Javascript, Typescript, SQL

Frameworks: Node.js, React.js, Next.js, Springboot, Flask, Tailwind, SQLAlchemy, PostgreSQL, MongoDB

Developer Tools: Git, Docker, Postman, MATLAB, Jupyter Notebook, IntelliJ, VSCode

EXTRACURRICULAR

Google Developer Group On: – Member

Apr. 2024 – Present

- Collaborate with a community of developers to share knowledge, solve challenges, and stay updated on Google technologies and best practices.
- Engaged in peer-to-peer learning sessions and contributed to discussions on best coding practices and full-stack project development.