

# JORGE ORTIZ

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## EDUCATION

**University of Puerto Rico Mayaguez**

08/2018 – 06/2026  
Mayaguez, Puerto Rico

## EXPERIENCE

**Full Stack Software Engineer, Lead Wire Marketing**

05/2024 – 08/2025

San Juan, PR

- Led a major UI redesign, improving dashboard, navigation, and modals for better usability, consistency, and responsiveness.
- Implemented real-time dashboard updates using WebSockets and aggregated stats tables, enabling instant metric refreshes for large datasets.
- Boosted application performance by optimizing SQL queries, pagination, and backend processes for faster load times and smoother UX.
- Modernized the platform stack: upgraded Node.js, React, Apollo Client, Material UI, and migrated build tooling to Vite, improving maintainability and development speed.

**Associate Software Engineer Intern, Red Ventures Puerto Rico**

05/2023 – 08/2023

San Juan, PR

- Collaborated with the Platea team to deliver front-end and back-end features on multiple websites. Utilized Word-Press, Twig, Timber, and PHP for front-end, and Prisma and Nest for back-end.
- Enhanced user engagement by implementing a 'Save' feature for blog content and developing an API for user-generated lists.
- Drove A/B testing initiatives by coding two content gates, optimizing user interaction, and refining conversion pathways.
- Demonstrated proficiency in React and TypeScript while working on an additional site, further diversifying skill set and impact.

**Software Engineering REU, The Arecibo Observatory**

05/2022 – 08/2022

Arecibo, PR

- Independently developed a proof of concept MERN stack web application under the guidance of a mentor. The application showcased real-time data from the 12m Radio Telescope, accompanied by a logging tool for operational data collection.

**Junior Software Engineer, Agricultural Extension Service UPRM**

09/2021 – 05/2022

Mayaguez, PR.

- Develop web modules using PHP/Laravel/MySQL for the different services the organization offers.

**Data Analyst, Voluntariado de Ingenieros y Profesionales**

09/2020 – 02/2021

Puerto Rico

- Collaborated with a company dedicated to aiding those affected by the 2020 Puerto Rico earthquakes. Focused on facilitating home reconstruction, I managed and processed thousands of requests containing demographic, financial, and diverse datasets. Leveraging Python scripts and data analysis techniques, I extracted meaningful insights to inform strategic decision-making and resource allocation.

## PROJECTS

**To-Do App, Project Link (frontend):** <https://github.com/jorgeortiz41/todo-app> **Project Link (backend):** <https://github.com/jorgeortiz41/todo-server>

- Simple to-do app using MERN stack and MaterialUI for the UI. Implemented a CRUD API for the tasks, and other features such as categorizing and creation of new lists.

**AI Discord Bot, Project Link:** <https://github.com/jorgeortiz41/ai-discord-bot>

- Developed a Python AI Discord bot leveraging the OpenAI API to provide two distinct functionalities: ChatGPT mode for natural language interactions and a data mode generating CSV outputs based on user-defined rows and columns.

**E-commerce Product Page, Project Link:** <https://github.com/jorgeortiz41/e-commerce-product>

- Developed a high-fidelity e-commerce product page using Next.js and Tailwind CSS, meticulously recreating design elements and images to closely match the original interface. Demonstrated proficiency in frontend development and attention to detail in replicating visual assets.

## SKILLS

**Programming** — Python, Java, JavaScript, Golang, PHP, HTML, CSS.    • **Databases** — MongoDB, MySQL, PostgreSQL.    • **Frameworks/Libraries** — React, NextJS, WordPress, Express, Prisma, TailwindCSS, MaterialUI, Framer-Motion, GraphQL.    • **Cloud** — AWS, Vercel.    • **Knowledge** — Data Structures and Algorithms, Algorithm Analysis, OOP, Digital Design, Software Requirements, Software Design, Software Testing, Digital Design, Assembly.