

JORGE ORTIZ

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EDUCATION

B.S. Software Engineering, *University of Puerto Rico Mayaguez*
GPA: 3.2

08/2018 – 12/2026
Mayaguez, Puerto Rico

EXPERIENCE

Cyber Threat Intelligence & AI Engineering Intern, *Evertec*

06/2026 – 08/2026

San Juan, PR

- Built **ARGUS**, an AI-assisted OSINT platform integrating the Recorded Future API to enrich IPs, domains, hashes, URLs, malware, emails, and usernames with risk scores, relationship graphs, and MITRE ATT&CK-mapped threat intelligence.
- Designed a Pydantic AI agent (CLI + web GUI) that orchestrates entity resolution, enrichment, and a policy-driven corroboration layer spanning 14 OSINT integrations (Shodan, VirusTotal, AbuseIPDB, WHOIS, DNS, GitHub, and others).
- Implemented a deterministic source-verification system that extracts and cites API-derived facts independently of the LLM, ensuring every claim in generated briefings is auditable and hallucination-free.
- Automated STIX 2.1 bundle generation and Word (.docx) threat report exports aligned with Traffic Light Protocol (TLP) and industry intelligence-sharing standards, backed by technical architecture documentation.

Full Stack Software Engineer Intern, *LeadWire LLC*

05/2024 – 08/2025

Remote

- 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.

PROJECTS

AI Performance Analytics Platform for Esports,

01/2026 – 05/2026

Project Link: <https://capstone-esports.vercel.app/>

- Built a full-stack esports analytics platform using FastAPI, PostgreSQL, and Next.js to ingest Riot Games match data, compute player performance metrics, and power interactive dashboards. Trained and deployed seven machine learning models with scikit-learn and XGBoost for predictions and recommendations.

Synthetic Radio Frequency Interference Generator for the K-band,

08/2025 – 05/2026

Project Link: <https://github.com/jorgeortiz41/RFGenerator>

- Developing a synthetic Radio Frequency Interference (RFI) generator with GUI/CLI in Python for K-band radio science research, modeling modern RFI sources and generating datasets; milestones include mastering radiometric data, reviewing RFI models from literature, and presenting progress at the Industrial Affiliates Program Fall Event.

AI-Powered Academic Course Management & Analytics Platform,

08/2025 – 12/2025

Project Link: https://github.com/jorgeortiz41/fall2025v2-platano_db

- A full-stack academic data platform featuring a PostgreSQL backend, ETL pipeline, and REST API built with Flask. Developed interactive analytics dashboards and integrated an AI chatbot using pgvector and Ollama to answer natural-language questions from course syllabi.

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, Heroku. • **Knowledge** — Data Structures and Algorithms, Algorithm Analysis, OOP, Digital Design, Software Requirements, Software Design, Software Testing, Digital Design, Assembly.