Ben Irastorza

404-798-9596 | bmirastorza@gmail.com | linkedin.com/in/ben-irastorza | github.com/birastor22 | US Citizen

OBJECTIVE

4th-year Computer Science student at Georgia Tech with hands-on experience in advanced analytics, data-driven consulting, and AI backend development. Interested in building impactful analytics solutions.

EDUCATION

Georgia Institute of Technology   Atlanta, GA
Bachelor of Science in Computer Science   ***Expected Dec 2026***
- **Concentration:** Artificial Intelligence and Information Internetworks   **GPA: 3.6/4.0**
- **Relevant Coursework:** Data Structures & Algorithms, Systems & Networks, Computer Organization & Programming, Database Systems, Computer Networking, Linear Algebra, Calculus, Probability & Statistics
- **Involvement:** Transfer2Tech Mentorship Program, IFC Social Committee Safety Coordinator, Lambda Chi Alpha Founding Father, Catholic Center Member

EXPERIENCE

Bulk Power Operations Intern   Aug 2025 – Present
Southern Company   *Birmingham, AL*
- Developing predictive models for power surges to enhance grid stability and operational efficiency.

Advanced Analytics Intern   May 2025 – Aug 2025
UCB   *Smyrna, GA*
- Developed a **BERT-based deep learning model** to enable advanced patient similarity analysis.
- Delivered actionable mortality insights to the medical team by performing delayed entry **Kaplan–Meier survival modeling** on commercial drug data, improving patient risk assessment.
- Affirmed the absence of abnormal anti-epileptic drug (AED) usage patterns in CDKL5 Deficiency Disorder (CDD) patients through subpopulation-level analysis using **Komodo Health's Sentinel** real-world data platform.

Software Engineer Intern   May 2024 – Aug 2024
The Parker Avery Group   *Atlanta, GA*
- Built the firm's **Generative AI** initiatives within a **Scrum** framework, applying retail analytics knowledge.
- Achieved a **50%** reduction in AI processing costs and improved efficiency by leveraging OpenAI's **Batch API** to enable asynchronous processing of large-scale data jobs.
- Increased predictive model accuracy by **20%+** by generating a specialized training dataset using advanced **PostgreSQL** queries, addressing bias and accuracy questions in retail time series forecasting.
- Ensured consistent setups and streamlined onboarding by standardizing development environments with **Mamba** YAML files, supported by comprehensive and well-structured **documentation**.

PROJECTS

Enhanced Spotify Wrapped | *Java, Android SDK, Firebase, Git, Figma*
- Integrated **custom AI** to enhance the app with conversational capabilities tailored to individual user preferences, personalizing and improving the app experience.
- Implemented a **CI/CD** pipeline using GitHub Actions for automating testing with **Gradle**, reducing build errors.
- Used **Firebase** to manage account creation, login, and secure user credentials, ensuring robust **data protection**.
- Designed the front end in **Figma** and transferred the layouts to **XML** for **Android** implementation, ensuring design consistency across the app.

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, HTML/CSS
Libraries/Frameworks: Pandas, NumPy, Matplotlib, PyTorch, Transformers, LangChain, JUnit, Tailwind
Development Tools: Docker, Git, Jira, Figma, Wireshark, Mamba
Cloud/Databases: Databricks, Snowflake, PostgreSQL, MySQL, Firebase, Milvus