

Andre Araujo-Kerry

Software & data engineer · Boston, MA

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Experience

Business Intelligence Co-op, Annaly Capital Management Jan 2025 – Aug 2025
New York, NY

- Built a firm-wide Accounts Payable dashboard to improve internal reporting and team efficiency, designing a scalable relational schema for data warehousing and writing Python ETL to consolidate several external sources.
- Automated 10+ accounting and internal analysis workflows with NetSuite's SuiteScript 2.0, saving about 15 hours of reporting and analysis a week.
- Assessed wildfire exposure by mapping property-level data to portfolio collateral, querying ArcGIS REST APIs with Python to identify 30+ loans affected by the Palisades and Eaton fires.

Digital Business Analyst Co-op, MFS Investment Management Jan 2024 – Aug 2024
Boston, MA

- Created 30+ SQL data checks to ensure the completeness and accuracy of investment data for every fund on MFS.com, meeting legal requirements.
- Developed a Java service layer to handle exceptions and data mapping for investment details, testing JSON responses with Postman on Red Hat JBoss.
- Implemented 10+ UI changes on MFS.com with HTML, CSS and Adobe Experience Manager.
- Worked in Agile ceremonies with Jira and Bitbucket across several codebases and environments.

Projects

Terminal Sep 2026 – Present
TypeScript, React, Fastify, PostgreSQL, WebSockets

- A real-time quote plant streams over WebSockets to 38 function screens, driven from a keyboard-first command line.
- Bitemporal market data in PostgreSQL (155 tables), with entitlements and row-level security between firms.
- A canvas chart engine, provenance on every number, and 6,343 unit and integration tests plus 47 browser tests.

LeadMe Jul 2024 – Present
Python, SQL, TypeScript

- Built a Python text-analysis pipeline that parses LinkedIn posts and metadata to detect job-change events, enriched with role, company and location to surface real-estate leads.
- Designed a normalized relational database and ingestion workflows to warehouse and track lead records across outreach stages.
- Developed a TypeScript dashboard to manage client statuses, contributing to 6 closed sales and 30+ active client relationships.

Medications: more harm than good? Feb 2024 – Apr 2024
Python, scikit-learn

- Used demographic characteristics to predict the outcomes of adverse drug reactions with the FDA Adverse Event Reporting System dataset and Python.
- Performed exploratory data analysis to clean and reformat the data, identifying errors and new relationships between variables.
- Trained three machine learning models (k-NN, random forest and SVM), using hyperparameter tuning to maximize the accuracy of the final model.

Education

Northeastern University, Khoury College of Computer Sciences Sep 2021 – May 2026
B.S. Computer Science and Business Administration (Finance) · GPA 3.7
Relevant coursework: Computer Systems, Object-Oriented Design, Algorithms and Data, Database Design, Foundations of Data Science, Fundamentals of Software Engineering

Skills

Languages	Python, SQL, JavaScript, TypeScript, Java
Frameworks and libraries	React, Node.js, Django, Flask, SuiteScript 2.0, PyTorch, Dagster
Tools	Git, Jira, Postman, NetSuite, REST APIs, Tableau, Power BI, Cursor, Claude
Practices	Agile, Test-driven development, CI/CD

Certifications

Building with the Claude API · Anthropic
Claude with Google Cloud's Vertex AI · Anthropic