

Diego Cicotoste

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EDUCATION

Bachelor of Science in Computer Science, Northeastern University
Study Abroad: London

Sept 2023 – Jun 2026

EXPERIENCE

Software Development Engineering Intern

Amazon

May 2025 – Aug 2025

Boston, MA

- Built a **scalable GenAI system** to extract and import contracts, reducing manual effort by **80%** and cutting processing time from **3 hours to under 2 minutes**.
- Developed a **secure React frontend** with **SSO/Federate login** and a **Lambda-based backend** using **Bedrock, Glue, S3, DynamoDB**; handled **hundreds of contracts/month**.

Data Product Manager

Supply Trace

Sept 2024 – Apr 2025

Boston, MA

- Managed a **team of 3 developers**, improving sprint velocity with tighter scoping and tracking.
- Designed algorithms to process and merge **millions of data points/month**, improving reliability and throughput.
- Rebuilt **ingestion pipelines** with safer deploys and monitoring, reducing ETL latency by **50%**.

Software Development Engineering Intern

Amazon

May 2024 – Aug 2024

Dallas, TX

- Extracted and processed data from **2M+ users** via **Productiv API**, unlocking better product insights.
- Built dashboards in **Amazon QuickSight**, increasing stakeholder visibility and contributing to **\$10M** in cost reductions.

Manager

Code Ninjas Aventura

Jun 2021 – Aug 2023

Miami, FL

- Oversaw **15 instructors**, managing ops/training/scheduling for **100+ students**.
- Grew revenue to **\$30,000+ monthly**, peaking at **\$70,000+** during summer camps.

PROJECTS

TwoPix (Private Photo Messaging App) | SwiftUI, Firebase

- Built a gesture-driven photo messaging app for two users with **pinch, swipe, and double-tap** interactions.
- Implemented secure pairing via a **“Pix Code,”** real-time chat sync, and automated cleanup of older files.

HouseFinder (Real Estate Analytics Platform) | Python, AWS, Pandas, Matplotlib, BeautifulSoup4

- Developed a **data pipeline** to scrape, clean, and analyze real estate listings and neighborhood trends.
- Automated weekly delivery of **CSV + visualization reports** via AWS with persistent S3 artifacts.

AutoJobApplier (Automation Tool) | Python, Selenium, Google Sheets API, BeautifulSoup4

- Created an automation system that logs in, searches jobs, applies with stored data, and uploads resumes.
- Built an integrated **Google Sheets tracker** with a CSV fallback for monitoring application progress.

SurvivalSprintHarvest (AI Simulation) | Java, Swing, OOP

- Designed an **agent-based survival simulation** with adaptive foraging and energy-management strategies.
- Built a **real-time Swing visualizer** for debugging and analyzing emergent AI behaviors.

SKILLS

Languages: Java, Python, C++, C, TypeScript, JavaScript, Swift, Kotlin, Dart, SQL, HTML/CSS

Frameworks: React, Node.js, Express, Flask, FastAPI, Jest

Cloud/Tools: AWS, GCP, Firebase, Docker, Git, Linux