

EDUCATION

Northeastern University, Boston, MA

Dec 2026 (Commencement: Apr 2027)

Master of Science in Computer Science

University of California-Riverside, Riverside, CA

June 2022

Bachelor of Arts

SKILLS

- **Languages:** Java, Python, SQL, JavaScript, C, HTML, CSS
- **Libraries & Frameworks:** Apache Spark, Pandas, NumPy, Scikit-learn, Matplotlib, IBM Cognos, Looker Studio, JavaFX, XChart, Turtle
- **Tools & Platforms:** Git, VS Code
- **Databases:** PostgreSQL, SQLite, MongoDB
- **Certifications:** IBM Data Engineering, Business Intelligence Dashboards, Big Data with Spark & Hadoop, Databases & SQL with Python, Introduction to NoSQL Databases, Java & Software Engineering (Duke), Google Project Management (In Progress), Python for Data Science, Generative AI and Data Engineering.

EXPERIENCE

Sonnet Biotherapeutics, Princeton, NJ

Feb 2024 – June 2024

Software Engineering Intern

- Designed a role-based access control system for a simulated multi-department environment, managing secure access for 60+ hypothetical employees using sample organizational data from HR, legal, and pharmaceutical teams.
- Developed a risk analysis tool to evaluate 190+ countries on corporate tax, GDP growth, political stability, and governance using sample datasets, generating insights for simulated decision-making exercises.
- Created a clinical trial management system to process CSV files, extracting patient demographics, symptoms, and treatment outcomes.

Bank of America, Lafayette, CA

Dec 2022 – Sep 2023

Relationship Banker

- Delivered outstanding customer service by engaging in meaningful, personalized conversations that address individual financial needs.
- Monitored client accounts for potential risks and opportunities, ensuring compliance with banking policies and regulations.
- Identified opportunities to promote bank products and services (such as loans, credit cards, and investment solutions) to clients.

U.S. Department of State, Washington DC

June 2021 – Sep 2021

Pakistan Desk Intern

- Researched counterterrorism and counterproliferation policies by analyzing legislation and tracking militant group activity.
- Summarized classified and diplomatic cable content into actionable intelligence updates for desk officers.
- Produced briefs on political, economic, and compliance trends to support decision-making.
- Contributed to women's economic development initiatives through climate-sustainability projects.

PROJECTS

- **World's Largest Banks ETL Pipeline** – *Python, Pandas, BeautifulSoup, SQLite*
Developed an automated ETL pipeline to scrape and normalize public financial data for the top 10 global banks. Implemented currency conversion and exported processed results to SQL and CSV formats.
- **E-Commerce Retail Sales Platform** – *Apache Spark, MongoDB, SQL, Python, IBM Cognos, Scikit-learn*
Built a simulated retail analytics platform integrating ~100+ SQL/NoSQL sample records. Preprocessed data with Spark pipelines, trained ML models for revenue forecasting, and created interactive IBM Cognos dashboards.
- **Chicago Economic Data Analysis** – *Python, Pandas, SQLite, SQL*
Analyzed 500+ crime reports, 78 census records, and 560+ school profiles from Chicago datasets. Combined and queried data to explore relationships between community demographics, crime, and education.
- **Brazil Waste** – *Python, SQL*
Designed a data warehouse for a Brazilian company using hypothetical waste collection data (3 cities, 4+ stations, 1 year); built Python ETL pipelines and SQL queries to generate reports on 4.5K+ tons of waste collected, average weight by city, and max load per station.'

- [SwiftAuto Car Sales & Profits Dashboard](#) – Looker Studio, IBM Cognos
Created interactive sales and service dashboards analyzing 70+ vehicle sales records across dealers, visualizing profits, recalls, and customer sentiment using bar charts and heatmaps for business insights.
- [Adventure Game Engine](#) – Java, JSON
Made a text-based game engine using MVC architecture. Integrated JSON-driven rooms, puzzles, and save/load functionality for extensible gameplay.