

Roger A. Flores

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Education

Northeastern University, Boston, MA

September 2020 - August 2024

Khoury Honors Program | College of Computer Sciences

Bachelor of Science in Computer Science & Minor in Mathematics

GPA: 3.61

Selected Coursework: Information Retrieval, AI, ML 1 & 2, Software Engineering, Systems Security,

Math Coursework: Data Models, Discrete Structures, Calc 3, Prob & Stats, Linear Algebra, Matrix methods

Technical Skills

Languages: Python, SQL, TypeScript/JavaScript, Java, C

Data & ML: PyTorch, scikit-learn, Pandas, NumPy, Matplotlib, Tableau, PowerBI

Search & Data Eng: Elasticsearch (Painless scripting), Scrapy, BeautifulSoup

Backend/Infra: REST APIs, Docker, Git

Cloud/DevOps: AWS (EC2, S3), GitHub Actions (CI/CD)

Frontend: React, MUI

Experience

C3.AI (contractor via Paradyme Management)

Redwood City, CA

Junior AI/ML Software Engineer

January 2025 - August 2025

- Engineered software solutions as part of multi-million-dollar C3.ai deployments for U.S. government agencies and multinational corporations
- Supported the launch of a new client project and surge-staffed another, meeting a delivery deadline shortened by 40%.
- Delivered full-stack contributions developing features and fixing defects across frontend and backend systems within C3.ai's proprietary cloud environment.

Northeastern University

Boston, MA

Teaching Assistant - Machine Learning 2

January - April 2024

- Held weekly office hours and guided student projects in regression, neural networks, and regularization
- Created 20+ exam practice videos, improving exam scores by 15%.

BigHat Biosciences

San Mateo, CA

Software Engineer Intern

May - August 2023

- Implemented frontend and backend changes to a lab inventory system, including data pipeline modifications, graph updates, and SQL queries
- Collaborated with stakeholders to refine and execute JIRA tickets in a fast-paced startup environment.

Genentech

South San Francisco, CA

AI Data Analyst COOP

July - December 2022

- Applied recently published model architectures to complex problems in multiple different domains
 - Developed in-depth dashboards to assist scientists in extracting knowledge from currently available data, and continuously communicated with stakeholders to best meet their needs
 - Effectively coordinated to simultaneously handle three separate projects
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Personal Projects

Wikipedia Game solver

- Used the wikipedia API and tf-idf vectorizer to "solve" the wikipedia game with cosine similarity metric.
- Also compared results with a pre-trained foundational word2vec model's similarity metric.

Machine Learning

- Developed an automated web scraping pipeline using Selenium for Javascript-heavy law firm websites
- Built a local Natural Language Generator in a GPT-style architecture