

# 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

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## 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

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## Experience

**C3.AI (contractor via Paradyne 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