

Ricardo Rodriguez

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Education

New Jersey Institute of Technology (NJIT), Newark, NJ
Bachelor of Science, Computer Science

Expected Graduation: December 2025

Union College of Union County (UCNJ), Cranford, NJ
Associates of Science, Computer Science

January 2021 – May 2023

Experience

Artificial Intelligence Research Intern

May 2023 - August 2023

Union College of Union County

Cranford, NJ

- Developed an AI chatbot using **Python**, **NLP**, **PostgreSQL** and **React** to handle user queries efficiently
- Created a web scraping tool to enhance the chatbot's knowledge base by 30%
- Improved frontend engagement by 40% using a responsive **React**-based UI

Frontend Developer Research Intern

May 2022 - September 2022

Union College of Union County

Cranford, NJ

- Engineered a scheduling dashboard using **React**, **Django**, and **MongoDB**
- Improved scheduling efficiency by 35% by designing a responsive dashboard interface
- Reduced scheduling conflicts by 25%, ensuring accurate and up-to-date employee availability.

Projects

Fitness App | React Native, Python, GraphQL, MongoDB

June 2024

- Designed a fitness app that optimized workout routines by 20% through data insights.
- Ensured secure data handling and consistency using **GraphQL** and **MongoDB**

Web Scraper | Python, BeautifulSoup, Selenium

January 2024

- Developed a web scraper to extract dynamic website data using **BeautifulSoup** and **Selenium**
- Utilized BeautifulSoup and Selenium to automate parsing of HTML content and extracting relevant information
- Configured the scraper to handle dynamic content loading, enabling the retrieval of real-time data

Certifications

British Airways Data Science Job Simulation on Forage

June 2024

- Built a predictive model analyzing customer behavior to optimize decision-making.

Data Analytics Google Certificate

June 2023

- Gained proficiency in SQL, Python, and data manipulation using pandas.

Skills

Languages: JavaScript, Python, C/C++, SQL, HTML/CSS, **Frameworks:** React.js, React Native, Django, Flask, **Technologies:** MongoDB, MySQL, GraphQL, Postgres, Git, REST APIs, **Tools:** Docker, Jupyter, BeautifulSoup, Selenium, **Languages:** Spanish, English