

Rodney Nunez

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EDUCATION

New Jersey Institute of Technology

Newark, NJ

Bachelor of Science in Computer Science

Expected May 2025

- GPA: 3.35
- Organizations: ColorStack, Society of Hispanic Professional Engineers

Data Skills for All Bootcamp

Remote

Data Engineering Certification

Apr. 2023 – Jul. 2023

- Completed a highly selective 12-week Data Engineering Bootcamp with an emphasis on building collaborative projects involving real-world business cases and data sets.

SKILLS

Programming Languages: TypeScript, JavaScript, Python, SQL, Java, C, C++, Bash, HTML5, CSS3

Libraries & Frameworks: Next.js, React, Tailwind, Bootstrap, Jest, Flask, Pandas, Selenium, Scikit-learn

Developer Tools: AWS, Git, GitHub Actions, RESTful APIs, Docker, Figma, Storybook, MongoDB

EXPERIENCE

Prudential Financial

Newark, NJ

Software Engineer Co-Op

Jan. 2024 – May 2024

- Saved roughly 4-6 hours per use in production by developing an XML-based one-click automated solution that unblocks a queue of stalled actuarial sensitivity runs.
- Developed Python scripts that extract matching log entries via regex, transform the data using pandas, and load the data to excel, making hundreds of log files digestible. Tested using pytest.
- Refactored an existing Python-based AWS Secure File Transfer Protocol script to leverage the AsyncSSH and AsyncIO packages, allowing for concurrent SSH operations.

JPMorgan Chase & Co.

Columbus, OH

Software Engineer Intern

Jun. 2023 – Aug. 2023

- Halved the initial render time of a client-facing React Web Application that serves 1 million monthly users by utilizing Next.js's configurations & its different rendering techniques.
- Refactored in-house React Components and Hooks to ensure compatibility with Next.js and tested them via Storybook, Unit Tests (100% Jest coverage), and Cypress E2E Testing.
- Developed and Cloud-deployed one React and several Next.js Web Applications in order to compare performance after introducing Server-side Rendering and Static Site Generation.

PROJECTS

Pokédex | *Next.js, React, TypeScript, JavaScript, PokéAPI, Tailwind CSS, Shadcn/ui*

- Developed a Web Application in order to solidify my knowledge of Next.js 13's capabilities.
- Utilized a RESTful API to fetch a list of 151 Pokémon and information on requested Pokémon.
- Filtered the list of Pokémon via monitoring a search field's value and a useState React Hook.
- Routed each card to a unique Server-side Rendered page with information on the specific Pokémon.
- Delivered an instant loading state from the server while the content of a route segment loads.

Bank Failure Warehouse | *Python, SQL, Pandas, Beautiful Soup, Amazon S3 & Redshift*

- Constructed a Data Warehouse via an ETL Pipeline plus Star Schema for Data Analysts to use.
- Prioritized stock data, financial statements/ratios, and basic company background information.
- Extracted data from 1,178 companies in Python via Web Scraping and the Yahoo Finance API.
- Transformed the extracted raw data into processed data via transposing and cleaning with Pandas.
- Loaded the processed data into Amazon S3 and built the Data Warehouse in Amazon Redshift.

AWARDS & CERTIFICATIONS

- First Place — JPMC's 2023 Innovation Week Global Hackathon
- Finalist — NJIT's 2022 Business Model Competition
- Data Engineering Certification — Data Skills for All Bootcamp