

# Rodney Nunez

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## EDUCATION

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### New Jersey Institute of Technology

*Bachelor of Science in Computer Science*

Newark, NJ

*Expected May 2025*

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

### Data Skills for All Bootcamp

*Data Engineering Certification*

Remote

*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

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**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, Jupyter Notebook

## EXPERIENCE

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### Prudential Financial

*Software Engineer Co-Op*

Newark, NJ

*Jan. 2024 – Present*

- Developing Python-based automated solutions for data models, process improvements, & modernizing actuarial infrastructure within the Actuarial Modeling Platforms team.

### JPMorgan Chase & Co.

*Software Engineer Intern*

Columbus, OH

*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.
- Created 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.

### New Jersey Institute of Technology

*Java Teaching Assistant*

Newark, NJ

*Jan. 2022 – May 2022*

- Transitioned 40+ students with an introductory-level Python background into Object-Oriented Programming in Java. Arrays, Collections, Recursion, Exceptions, & File I/O also covered.

## PROJECTS

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### 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

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