

Rodney Nuñez

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EDUCATION

New Jersey Institute of Technology

Newark, NJ

Bachelor of Science in Computer Science

Expected Dec. 2024

- GPA: 3.35/4.00
- Relevant Coursework: Intro to Data Science, Database System Design & Management, Intensive Linux Programming, Operating Systems, Data Structures & Algorithms, Building Web Applications, Discrete Math, Probability & Statistics, & Technical Writing.

Data Skills for All by Correlation One

Remote

Data Engineering Certification

Completed Jul. 2023

- Completed a 12-week Data Engineering bootcamp/training program (5% acceptance rate) 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, Jupyter Notebook

EXPERIENCE

JPMorgan Chase & Co.

Columbus, OH

Software Engineer Intern

June 2023 – Aug. 2023

- Concluded that the Next.js framework's general optimizations and different rendering techniques can increase the firm's React Web Application FCP performance by 50%.
- 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.

Ying Wu College of Computing, NJIT

Newark, NJ

Java Teaching Assistant

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.
- Responsibilities included collaborating with another Teaching Assistant to host weekly labs, holding office hours, grading assignments, and exam proctoring/grading with other Teaching Assistants.

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.

Predicting Bank Failures | *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

- First Place — JPMC's 2023 Innovation Week Global Hackathon
- Finalist — NJIT's 2022 Business Model Competition