Trenton vonHartitzsch

New York, New York, United States ✉ Trentonvonh@gmail.com 📱 918-407-0287 in/trenton-vonhartitzsch ⊕ trentonvonH.com

EDUCATION

New York University | **New York, NY**
Bachelor of Arts in Computer Science and Data Science | Expected May 2026
Major GPA: 3.74
Varsity Athlete: Member of the NYU Varsity Swim Team, 22+ hour commitment per week

RELEVANT COURSEWORK

Data Management & Analysis | **Fall 2024**
- Modeled, handled, and queried data in different architectures in myriad formats with relational, non-relational, & cloud databases

Programming Tools for the Data Scientist | **Spring 2024**
- Designed and implemented data science applications using key Python packages for textual analysis and data visualization

Basic Algorithms | **Spring 2024**
- Studied algorithm design, implementation, and efficiency analysis for sorting, searching, graph processing, and other dynamic data structures using Python

CERTIFICATIONS

Computer Information Systems | **Tulsa, OK**
Tulsa Community College | Spring 2021
- Certified in managing internet operations and keeping computer networks secure

EXPERIENCE

LD Kerns Contractors | **Tulsa, OK**
Technology Specialist Intern | June 2024 – August 2024
- Supported and enhanced digital infrastructure by implementing new technologies and leading web development projects
- Gained experience in system administration and project management using Python, Flask, and PostgreSQL

Web Developer | **Tulsa, OK**
Self-Employed | May 2022 - Present
- Designed, implemented, and monitored web pages, plugins, and functionality for small businesses
- Planned and developed with HTML, CSS, and JavaScript
- Optimized the company's website to boost SEO traffic

PROJECTS

Sentiment-Driven Quantitative Trading Strategy | **November 2024**
- Developed a comprehensive quantitative trading strategy combining sentiment analysis, correlation modeling, and signal generation to forecast equity movements linked to commodities.
- Built a multi-model sentiment analysis pipeline and integrated outputs into a PostgreSQL database for efficient querying and analysis.
- Generated trading signals using machine learning and financial metrics, benchmarking performance against traditional strategies.

RentRoute | **August 2024**
- Built a full web application to match users with NYC rental properties based on commute times, utilizing React.js, Flask, and the TravelTime API for real-time data integration
- Developed a recommendation engine with Python & machine learning models, enhancing data visualization using Folium and Seaborn

Spotify Song Data Analysis | **April 2024**
- Analyzed Spotify data using Python, Pandas, and Scikit-Learn to identify patterns and predict song popularity, providing actionable insights for up-and-coming artists
- Applied feature engineering and model evaluation techniques to improve prediction accuracy and uncover factors driving music trends

Personal Website | **March 2024**
- Developed a personal portfolio website highlighting strengths and projects as a developer, using React, JavaScript, and CSS

Notes Application | **July 2023**
- Developed a Notes Application with a RESTful API for CRUD operations using React.js and Django Rest Framework

SKILLS

Frontend: HTML, CSS, JavaScript, React.js | **Languages:** Chinese
Backend: Python, Java, Django, SQL | **Tools:** Git, Postgres, MySQL, Seaborn, Folium