

Sam Finard

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<https://github.com/samfinard>

EDUCATION

New York University

Bachelor of Arts in Computer Science, CS GPA: 3.5

December 2024

- Minor in Mathematics and Music
- Relevant coursework: Predictive Analytics, Algorithms, Data Structures, Robotic Intelligence, Calculus III, Linear Algebra, Real Analysis

Bronx High School of Science, GPA: 90/100

2016-2020

SKILLS

Computer: Python, Java, Javascript, HTML/CSS, DBeaver

EXPERIENCE

SMBC, Portfolio Analysis Group Internship

December 2023 - June 2024

Working directly for the Fixed Income trading desk. Will automate daily manual tasks performed by the Portfolio Analytics team using Python and Excel.

Octavate, Software Engineer Internship

October 2023 - Present

Applying data analytics techniques to identify emerging artists using Python and DBeaver. Using a neural network face detection Python package (MTCNN) to identify artist features.

Undergraduate Researcher at AI and Predictive Analytics Lab

October 2023 - Present

Studying creativity within AI with a group of graduate students under Professor Anasse Bari's supervision. Building a corpus of related works and developing a model to compare potential of existing LLMs.

USAMTS Contest Grader

October 2023 - Present

Evaluate and grade student contest submissions in competitive high school mathematics. Provide individualized feedback which critiques the overall methodology and format of the solution.

PROJECTS

Predicting DJIA prices using popular song lyrics in Python and RapidMiner

August 2023

Explored the relationship between DJIA closing prices and popular song lyrics using sentiment analysis and predictive modeling. Used a Kaggle dataset to get all Billboard Hot 100 songs and the lyricsgenius Python package to obtain lyrics for each of the 3100+ unique songs. Found a statistically significant correlation between the two.

ORGANIZATIONS

Treasurer of SLAM! Poetry, New York University

January 2021 – September 2023

Recognized as a top club leader out of over 600 leaders based on my involvement and experience

ACTIVITIES

Classical Pianist

2009 – Present

- Award winner in numerous international classical piano competitions
- Over a decade of performing classical piano in venues such as Carnegie Hall