

# Vikram Ostrander

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New York, NY 10128 | 917-471-4395 | [vikram.ostrander@gmail.com](mailto:vikram.ostrander@gmail.com)  
[www.linkedin.com/in/vostrander/](https://www.linkedin.com/in/vostrander/) | <https://vikramostrander.github.io/>

## Education

- **University of Virginia**, Charlottesville, VA, GPA 3.98 Fall 2021 – Present
  - Computer Science Major, GPA: 4.0
  - Mathematics Major, GPA: 4.0
  - Relevant Coursework:
    - CS 4774: Machine Learning Fall 2023
    - CS 3130: Computer Systems and Organization II Spring 2023
    - CS 3100: Data Structures and Algorithms II Fall 2022
    - MATH 3351: Elementary Linear Algebra Spring 2023
    - MATH 3100: Probability Spring 2023
- **Edgemont High School**, Scarsdale, NY, GPA: 3.93 Fall 2019 – Spring 2021
- **Horace Mann School**, New York, NY, GPA: 3.93 Fall 2017 – Spring 2019

## Experience

- **Undergraduate Researcher**, *Dynamical Systems Laboratory, NYU* Summer 2023
  - Scraped data on millions of doctors from Online Review Systems for healthcare providers
  - Analyzed textual reviews with semantic analysis, keyword extraction, and topic modeling
  - Conducted spatial analysis on the distribution of doctors with respect to socio-economic data
- **Software Engineer Intern**, *The MITRE Corporation* Summer 2022
  - Developed a Modular Open Systems Approach dashboard for Naval Air Systems Command
  - Gained experience with machine learning in Python to build a model to detect fraudulent URLs
- **Data Science Intern**, *Mastercard* Spring 2021
  - Created various geographic data visualizations in Tableau to analyze global recruiting patterns
  - Created multiple macros for Microsoft Office
- **Security Manager**, *Boylan Heights* Summer 2022 – Present
  - Hired, trained, and managed security personnel
  - Handled high pressure situations to ensure the safety of customers, such as coordinating communications with law enforcement and emergency medical services
- **Other Projects**
  - Life, C: wrote a multithreaded implementation of Conway's Game of Life
  - Swap Space, Java: wrote an algorithm to solve Problem L from the ICPC 2016 World Finals
  - OCR, Java: wrote an image classification program to identify certain handwritten characters

## Leadership And Activities

- **Athletics**
  - Mike Krafchick Academic Achievement Award, *Wrestling, University of Virginia* Spring 2022
  - NYSPHSAA Section 1 Leadership Award, *Wrestling, Edgemont High School* Spring 2021
  - Team Leader, *Wrestling, Edgemont High School* Fall 2020 – Spring 2021
- **Music**
  - Orchestra Concertmaster, *Diller-Quaile School of Music* Fall 2018 – Spring 2019

## Skills

- **Proficient In:** *Python, Java, C/C++, Linux/Unix, Machine Learning & NLP*
- **Some Experience With:** *JavaScript, R, Swift, VB, HTML and CSS*