

Vikram Ostrander

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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 3100: Data Structures and Algorithms II Fall 2022
 - CS 3130: Computer Systems and Organization II Spring 2023
 - MATH 3100: Probability Spring 2023
 - MATH 3351: Elementary Linear Algebra 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++*
- **Some Experience With:** *JavaScript, R, Swift, VB, HTML and CSS*