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 Tandon* — 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*
- **Some Experience With:** *C++, JavaScript, R, Swift, VB, HTML and CSS*