

Vikram Ostrander

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Education

- **University of Virginia**, Charlottesville, VA, GPA: 3.99 Fall 2021 – Present
 - Double Major: Computer Science and Mathematics
 - Activities/Organizations:
 - Student-Athlete, *Men's Wrestling*
 - Distinguished Majors Program, *Computer Science*
 - Undergraduate Researcher, *Sequential Decision Making Lab*
 - Relevant Coursework:
 - Machine Learning; Data Structures and Algorithms; Computer Systems and Organization; Software Development Essentials; Discrete Math and Theory; AI and the Future of Work; Basic Real Analysis; Survey of Algebra; Ordinary Differential Equations; Elementary Linear Algebra; Calculus; Probability
- **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

- **Software Engineering Intern**, *Capital One* Summer 2024
- **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 Engineering Intern**, *MITRE* 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 for detecting fraudulent URLs.
 - Received return offer.
- **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 and Bartender**, *Boylan Heights* Fall 2021 – Fall 2023
 - Hired, trained, and managed security personnel.
 - Handled high pressure situations to ensure the safety of customers.
 - Coordinated communications with law enforcement and emergency medical services.
- **Other Projects**
 - ML4VA, Python: Analyzed patterns in Charlottesville crimes with various machine learning algorithms.
 - Life, C: Wrote a multithreaded implementation of Conway's Game of Life.
 - OCR, Java: Wrote an image classification program to identify handwritten characters.

Leadership and Awards

- **Athletics**
 - Mike Krafchick Academic Achievement Award, *Men's Wrestling* University of Virginia
 - ACC Academic Honor Role, *Men's Wrestling* University of Virginia
 - NYSPHSAA Section 1 Leadership Award, *Varsity Wrestling* Edgemont High School
 - Team Leader, *Varsity Wrestling* Edgemont High School
- **Music**
 - Concertmaster, *Diller-Quaile Orchestra* Diller-Quaile School of Music
 - First Violin, *Senior High Orchestra* Edgemont High School
 - First Violin, *Orchestra* Horace Mann School

Skills

- **Proficient In:** *Python, Java, C/C++, SQL, Linux/Unix, Git, TensorFlow*
- **Some Experience With:** *JavaScript, R, Swift, VB, HTML and CSS*