

# 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 and obtained Interim Secret DoD security clearance.
- **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*