



[REDACTED]  
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## EDUCATION

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### University of Virginia

Charlottesville, VA

*Intended Bachelor of Science in Computer Science*

Class of 2021

- **Courses:** Software Dev Methods, Differential Equations, Multivariable Calculus, Physics E&M

### Maret School

Washington, DC

*High School*

Class of 2017

- **Courses:** BC Calculus, Linear Algebra, AP Computer Science A, Physics C: Mechanics

## WORK & LEADERSHIP EXPERIENCE

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### National Institute of Standards and Technology (NIST)

Gaithersburg, MD

*Intern, Multimodal Information Group*

July 2016 – Aug 2016

- Helped to clean and organize traffic data for use in the group's pilot data science evaluation.
- Created an algorithm to match video segments from traffic cameras to specific traffic incidents from millions of police records.
- Gained proficiency in R and ggplot2.

### Maret Engineering Team

Washington, DC

*CEO, Lead Software Engineer, Programmer*

Sept 2013 – June 2017

- Designed and built an underwater remotely operated vehicle (ROV) to compete in the annual MATE competition (<https://www.marinetech.org/rov-competition-2>).
- During my year as CEO, the team finished in fifth place out of 25 teams, including receiving an award for the best presentation, which I organized and led.
- Wrote the code to communicate between the Mac, Xbox controller and on-board Arduino over serial using Processing and C.

### Maret Math Team

Washington, DC

*Co-Captain*

Sept 2016 – June 2017

- Competed in the Arete math competition against other schools across the country ([https://aretelabs.com/math\\_madness](https://aretelabs.com/math_madness)) and led club as we explored various math topics.
- Led the Maret team to its first winning season.

### Cleveland Park Valet, Dry Cleaner

Washington, DC

*Counterperson*

June 2015 – Aug 2017

- Handled incoming dry cleaning and pickup.
- Handled register and made duplicate door keys for customers.
- Opened and closed store when owner unavailable.

## SKILLS & ACTIVITIES

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**Software:** Java, C++, Python, R, Processing, C, Matlab, MS Excel and Mathematica

**Activities:** Virginia Men's Rowing, HS Varsity Soccer and Lacrosse

**Honors:** Top AMC score at Maret for two years (<https://www.maa.org/math-competitions/amc-1012>), US Physics Olympiad Semi-finalist (<https://www.aapt.org/physicsteam/2018>)