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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>)