

Centreville, Virginia

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Motivated student (4.0/4.0) who demonstrates strong work ethic and teaching skills. I will be majoring in Computer Science at UMD. I am very experienced in JAVA, Python, and C++ as I have been working with them for over 6 years. I have experience in **Object oriented programming, Spring boot and Hibernate, Spring Security, Eclipse Maven, Gradle, Git, Apache Tomcat, and Linux systems**. I also have experience in small AI projects and training neural networks.

## EDUCATION

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**Centreville High School, Clifton, Virginia**

**Majoring in Computer Science at UMD. (Class of 2024)**

Senior

- **GPA:** 4.0 / 4.0
- **Relevant Coursework:** Algebra 1 Honors, Geometry Honors, Algebra 2 Honors, Pre-Calc, BC Calculus, **AP and AB Computer Science**
- **Honors:** National Junior Honor Society, Computer Science Honor Society, National Honor Society
- **Clubs:** ACSL Club, Cyberpatriot club, Robotics Club, Centreville Red Cross, Centreville Track and Field, Ultimate Frisbee Club, Future Business Leaders of America, Centreville Amnesty Club.

## WORK HISTORY AND MAJOR ACHIEVEMENTS

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### Compsciprep

*ACSL Team Leader*

*2014 - Present*

- Competed in the ACSL Competition (Computer Math and Programming) with a team of 5 since 6<sup>th</sup> grade. (Curriculum: <http://www.wixtest.acsl.org/categories>)
- Solved logically complex problems under time pressure. **Gained valuable problem solving skills and learned how to be efficient with code using data structures.**
- Invited to the All Star Junior Division Competition since 7<sup>th</sup> grade and placed top ten all years and placed **9th** in 2016 and placed **4th** in 2017.
- Invited to the All Star Intermediate Division Competition since 10th grade and placed **10th** in 2018.

### Computer Science Intern at Seygen

*Intern*

*2018 summer*

- Developed an Asset Management System for Sygen.
- Gained experience by using **Springboot, Hibernate, Apache Tomcat, Eclipse Maven, Gradle, Git**, and more.
- Became accustomed to the workplace environment and workflow.
- Gained communication skills by collaborating with senior employees.

### Computer Science Intern at Seygen

*Intern*

*2019 summer*

- Implemented security features for Seygen projects
- Gained experience by using **Spring security, and encryption algorithms such as AES**.
- Deployed web apps for seygen into servers and worked on testing to make sure they were functioning properly.

- Became accustomed to the workplace environment and workflow.
- Gained communication skills by collaborating with senior employees.

## Cyberpatriot

*Team Leader*

*2018 - Present*

- **Competed in the Cyberpatriot competition (Cyber security competition) with a team of 5 since 11<sup>th</sup> grade.**
- Gained familiarity with workplace security in a variety of systems ranging from windows to **linux**.
- Able to **fix and setup advanced cisco routing networks** as that is also part of the competition.
- **Placed in the gold league and almost placing nationals.**
- **Invited to state level championship in 2019-20 competition.**

## USACO

*Programmer*

*2018 - Present*

- Solved logically complex problems with efficiency in mind.
- Learned to use basic and advanced **data structures** to succeed in the competition.
- Able to complete all 3 programs in just 4 hours and **placed in Silver division in USACO.**
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## Robotics Club (FTC)

*Programmer*

*2015 - Present*

- Prominent programmer on my robotics team programming both driver controlled and autonomous functions of our robot in Java.
- Major contributor to the design of the robot by building off of teammate's ideas.
- Fixed mechanical issues with programming the robot differently. For example, our mechanical sub team had to place a motor backwards. I fixed this by simply reversing all of the functions on that motor.
- **Invited to the FTC Virginia State Championship after winning the competition at Battlefield High School.**

## Compsciprep

*ACSL Teacher's Assistant (Volunteer)*

*2016 - Present*

- Tutored ACSL students who fell behind or needed help on any subject within its curriculum. Acted as a substitute when the teacher could not make it to the class whether it be proctoring a test or even teaching his students.
- Graded homework and test papers of the students.
- Helped the teacher run the class by printing material, answering questions, and taking attendance.