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# SHAYLA REID

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Bowie, MD 20721 | 3015757108 | shayla.reid07@gmail.com

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## Skills

- Data analysis
  - MATLAB programming
  - Effective communication
  - Problem solving
  - Leadership
  - Mathematica programming
  - HTML programming
  - JavaScript programming
  - Python programming
  - C++ programming
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## Relevant Experience

**Data Analyst Intern** **01/2021 to 07/2023**  
**Howard University Beltsville Campus** **Beltsville, MD**

- Collaborated with an international research team to analyze atmospheric particulate data from La Paz and El Alto, Bolivia, investigating its role in glacier melt and climate impact.
- Co-authored a published research book and presented findings at the American Meteorological Society, contributing to the global understanding of particulate matter's environmental effects.

**Researcher** **08/2022 to 05/2023**  
**Eleanor Roosevelt High School** **Greenbelt, MD**

- Learned effective research techniques, including evaluating credible sources, developing hypotheses, and applying structured research methods.
  - Wrote a multi-chapter research paper as the culmination of the program, presenting findings at the school's research symposium.
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## Education

**Bachelor: Mechanical Engineering** **Expected in 05/2027**  
**Cornell University** **Ithaca, NY**

- Relevant Coursework: Consequences in Computing, Introduction to Computing: An Engineering and Science Perspective, Psychology, Leadership Development, Physics, Thermodynamics, Statics, Dynamics, Mechanical Design

**Science And Technology Program** **05/2023**  
**Eleanor Roosevelt** **Greenbelt, MD**

- Weighted Cumulative GPA: 4.309, Unweighted Cumulative GPA: 4.0
  - Relevant Coursework: AP Computer Science Java, Honors Engineering Foundations, AP Calculus AB, Honors Foundations of Technology, AP Physics C, AP Environmental Science
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## Extracurricular Activities

American Society of Mechanical Engineers, Member, 04/2025 - PRESENT | National Society of Black Engineers, Member, 08/2023 - PRESENT | VEX Robotics Club, Team Leader, 08/2019 - 05/2020 | Environmental Defense Club, Member, 01/2021 - 05/2023 | Girls Who Code, Member, 01/2022 - 05/2023 | Science Olympiad, Member, 01/2021 - 05/2023 | National Honors Society, Member, 01/2022 - 05/2023

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## Achievements

- Awarded the VEX Robotics Competition Judges Award Design Award in state competition, 2019
- Principal's Honor Roll, 2019-2023
- Science Olympiad team competed in state championship, 2023
- 2nd place in high school math competition, 2023

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## **Additional Experience**

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Students Demand Action – Historian & Active Member, 2021-2023

- Documented meeting times and maintained organized records to support advocacy initiatives.
- Collaborated with peers to promote awareness campaigns on community safety and policy change.

Students Against Destructive Decisions – Art Director & Active Member, 2019-2021

- Designed and led visual campaigns to raise awareness and recruit new members, increasing club participation.
- Coordinated creative projects that encouraged positive decision-making among peers.