

# Jesse Silverberg

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## Education

- 2021–Present **Case Western Reserve University**, Major: *Computer Science*, 4.0  
Expected Graduation: June 2025
- 2016–2020 **Montgomery Blair HS**, *Science, Mathematics, Computer Science Magnet*, 4.0
- 2018 **University of Maryland at College Park**, *Department of Computer Science*, 4.0

## Relevant Coursework

- Sciences Artificial Intelligence, Modeling and Simulation, Computer Graphics, Algorithms, Data Structures, Mathematical Physics, Quantum Physics
- Mathematics Linear Algebra, Discrete Math, Complex Analysis, Multivariable Calculus, Differential Equations, Logic, Statistics

## Software Experience

- Languages Python, C++, JavaScript, Java, R, SQL
- Applications Mathematica, MATLAB

## Experience

- 2022 **Research Intern**, *Johns Hopkins University Applied Physics Laboratory*, Hierarchical Reinforcement Learning, Meta-Learning  
Supervisor: Jared Markowitz
- 2020–2021 **Data Science Associate**, *When We All Vote/Civic Nation*, built predictive models, analyzed experiments, and developed production web applications
- 2019 **Research Assistant**, *University of Maryland Institute for Advanced Computer Studies*, Artificial Intelligence and Metacognition lab  
Supervisor: Donald Perlis

## Awards

- MathWorks Math Modeling Challenge, Technical Computing Winner and Outstanding Communication of Results Winner
- Consortium for Mathematics and Its Applications (COMAP) High School Mathematical Contest in Modeling, Finalist
- Lockheed Martin Programming Competition (D.C.), 3rd Place
- Princeton University Physics Competition, 2nd Place
- U.S. Physics Olympiad Qualifier
- Johns Hopkins Center for Talented Youth, Study of Exceptional Talent
- Davidson Institute Scholar