

Jesse Silverberg

✉ jesse@jessesilverberg.com

📄 jessesilverberg.com

github.com/jessesilverberg

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 Modeling and Simulation, Computer Graphics, Analysis of Algorithms, Algorithms and Data Structures, Artificial Intelligence (University of Maryland), Mathematical Physics, Quantum Physics

Mathematics Linear Algebra, Discrete Math, Logic, Statistics, Complex Analysis, Multivariable Calculus, Differential Equations

Software Experience

Languages Python, R, JavaScript, Java, C++, SQL

Applications Mathematica, MATLAB

Experience

2020–2021 **Data Science Associate**, *When We All Vote/Civic Nation*, built models and analyzed experiments, developed and deployed Django apps on AWS

2019 **Researcher**, *University of Maryland Institute for Advanced Computer Studies*, Artificial Intelligence and Metacognition lab under Dr. Donald Perlis

2018–2020 **System Operator**, *Montgomery Blair High School*, server management, webmaster duties, firewall/DNS, and network administration

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 (20/25 $F=ma$)
- Johns Hopkins Center for Talented Youth, Study of Exceptional Talent
- Davidson Institute Scholar