Jesse Silverberg

Education

2021-Present Case Western Reserve University, Major: Computer Science

2016–2020 Montgomery Blair HS, Science, Mathematics, Computer Science Magnet

2018 University of Maryland at College Park, Department of Computer Science

Relevant Coursework

Sciences Quantum Physics, Mathematical Physics, Modeling and Simulation, Computer

Graphics, Analysis of Algorithms, Algorithms and Data Structures, Artificial Intelli-

gence

Mathematics Multivariable Calculus/Differential Equations, Complex Analysis, Discrete Math,

Logic, Statistics

Software Experience

Languages Python, R, Java, JavaScript, SQL

Applications Mathematica, MATLAB, Tableau, Autodesk Inventor

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
- o 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