Jesse Silverberg

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Education

2016–2020	**Montgomery Blair HS**, *4.0*, Science, Mathematics, Computer Science Magnet
2018	**University of Maryland at College Park**, *4.0*, Department of Computer Science

Relevant Coursework and Skills

Sciences	Quantum Physics, Mathematical Physics, Modeling and Simulation, Computer Graphics, Analysis of Algorithms, Algorithms and Data Structures, Artificial Intelligence (UMD CMSC421)
Mathematics	Multivariable Calculus/Differential Equations, Complex Analysis, Discrete Math, Logic, Statistics

Computer Skills

Languages	Python, R, Java, C++, JavaScript, C
Applications	Mathematica, MATLAB, Tableau, Autodesk Inventor

Experience

2018-2020	**System Operator**, *Montgomery Blair High School*, server management, webmaster duties, firewall/DNS, network administration, hardware and backup systems
2019	**Researcher**, *University of Maryland Institute for Advanced Computer Studies*, Artificial Intelligence and Metacognition lab under Dr. 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 (20/25 F=ma)
- Johns Hopkins Center for Talented Youth, Study of Exceptional Talent
- Davidson Institute Scholar