Aviel Resnick

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Education:

- Lower Moreland HS   2016 – Present
    - o Distinguished Honor Roll
    - o CS50: Introduction to Computer Science
    - o Computational Science and Engineering
    - o AP Computer Science A
    - o Research, Design, & Evaluation
    - o Independent Study - Analysis of Popular Computational Algorithms
- Gifted Program   2010 – Present

Research & Notable Awards:

- "Diagnosing Breast Cancer through Machine Learning"   2017 - 2018
    - o Perfect Score from the Pennsylvania Junior Academy of Science
    - o 1st in C500 (Computer Science) in Montgomery County
    - o Villanova Award for Applied Statistical Analysis
- "Optimization of Commercial Radar through Multithreading"   2017
    - o Perfect Score from the Pennsylvania Junior Academy of Science
    - o 1st Place Award at Penn State (PJAS - States)
- "Conceptualizing and Implementing ARP based Network Security"   2016
    - o 1st Place Award from the Pennsylvania Junior Academy of Science
    - o 1st Place Award at Penn State (PJAS - States)

Experience:

- Founder and President of the LMHS Computer Science Club   2016 - Present
- Volunteer Leader of the Pine Road Elementary Robotics Club   2017
- Winner of Code Day Philly in Application Development   2017
- LM Technical Services
- SPDL Public Forum Debate Finalist & Judge   2016 - Present
- Frequent Hackathon Participant
    - o HackGFS
    - o CodeDay Philly
    - o PennApps 2017
    - o PennApps Retro 2018

Skills:

- Extensive experience with Java
- Python
- Machine Learning
- Software Optimization
- C# & .Net Framework
- HTML / CSS
- Fluent in English, Russian; Proficient in Hebrew, and Spanish