

Aviel Resnick

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Education:

- Lower Moreland HS 2016 – Present
 - Distinguished Honor Roll
 - CS50: Introduction to Computer Science
 - Computational Science and Engineering
 - AP Computer Science A (5)
 - Research, Design, & Evaluation
 - Independent Study on the Analysis of Popular Computational Algorithms
- Gifted & Academically Talented Program 2010 – Present
- Princeton University, Center for Computational Intractability 2018
 - Program in Algorithmic and Combinatorial Thinking

Research & Notable Awards:

- “Diagnosing Malignant Breast Tumors via Machine Learning” 2017 - 2018
 - Perfect Score from the Pennsylvania Junior Academy of Science
 - 1st in C500 (Computer Science) in Montgomery County
 - Top in Category at the Delaware Valley [Interstate] Science Fair
 - Villanova Award for Applied Statistical Analysis
- “Optimization of Commercial Radar through Multithreading” 2017
 - Perfect Score from the Pennsylvania Junior Academy of Science
 - 1st Place Award at Penn State (PJAS - States)
- “Conceptualizing and Implementing ARP based Network Security” 2016
 - 1st Place Award from the Pennsylvania Junior Academy of Science
 - 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
- Volunteer Teacher of the Pine Road Elementary Coding Club 2018
- LMHS Chess Team (Starting Lineup) 2018 - Present
- Math Team Member & Leader 2018 - Present
- Academic Decathlon Team Member 2017 - Present
- Winner of Code Day Philly in Application Development 2017
- LM Technical Services
- SPDL Public Forum Debate Finalist & Judge 2016 - Present
- Campus Ambassador for PennApps 2018
- Frequent Hackathon Participant 2015 - Present
 - HackGFS, CodeDay Philly, PennApps, PennApps Retro

Skills:

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