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
  - Research, Design, & Evaluation
  - Independent Study - 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 Breast Cancer through 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 Deleware 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
- Campus Ambassador for PennApps   2018
- Winner of Code Day Philly in Application Development   2017
- LM Technical Services
- SPDL Public Forum Debate Finalist & Judge   2016 - Present
- 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