Michael Truell
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Education
Horace Mann School, Class of 2018
GPA: 4.0
Relevant coursework: Honors Physics (A), Honors Algebra II and Trigonometry (A), Honors Geometry (A), Computer Science (A), Science Research (A), Chemistry (A), Biology (A)
Standardized Tests: 800 on Molecular Biology SAT II (2015), 800 on Chemistry SAT II (2015), 99 percentile on SSAT (2013)

Honors and Awards
International Science and Engineering Fair: Second Place in Robotics and Intelligent Machines, CERN Award, and NASA Second Award
New York City Science and Engineering Fair: Intel Excellence in Computer Science Award, First Award, and Intel Finalist
American Computer Science League 2016 All-Star Team
First Robotics Competition 2016 Highest Ranked Rookie Team

Skills
Programming Languages: C, C++, Java, Javascript, PHP, Python
Machine Learning: Genetic Algorithms, Neural Networks, Reinforcement Learning, SVM
Databases: MongoDB, MySQL
Noteworthy Tools: AngularJS, Docker, Flask, Ionic, JQuery, OpenGL, SocketIO, SFML
Embedded Systems: Raspberry Pi, Arduino, NI RIO, ESP8266

Projects
A Universal Robotic Control System using Reinforcement Learning with Limited Feedback
Robotic software that learns from people. Won awards at NYCSEF and ISEF.
Fido
An open-source C++ machine learning library for embedded electronics and robotics.
New York Computer Science League
Monthly algorithmic programming competitions for high school students.
Halite
A multiplayer, turn-based programming competition.

Extracurriculars
Leader and Founder of American Computer Science League Team
Leader and Founder of Programming Club
Head of Software for Varsity Robotics Team
Webmaster for Student Government
CTO for the School Newspaper
Varsity Runner Horace Mann Track
Varsity Runner Horace Mann Cross Country
Pianist since age of 8