

Michael Truell

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Education

Horace Mann School, Class of 2018

GPA: 3.97

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)

Work

Two Sigma Software Engineering Internship: I am working on an programming competition for Two Sigma's internal use and a planned public release

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, SVMs

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 and Horace Mann Cross Country

Pianist since age of 8