

Michael Truell

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Education

Horace Mann School, Class of 2018

GPA: 3.97

Relevant coursework: AP Chemistry (A), AP Biology (A), Precalculus BC Honors (A+), 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 Internship: I worked on an internal programming competition for Two Sigma, one of the largest hedge funds in the US. They liked it so much that they funded a public release (halite.io). The competition has garnered 1,000+ users.

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

Halite: An artificial intelligence programming competition with 1,000+ players (halite.io).

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: Algorithmic programming competitions for high school students.

Extracurriculars

Leader and Founder of American Computer Science League Team and Programming Club

Head of Software for Varsity Robotics Team

CTO for Student Government

CTO for the School Newspaper

Varsity Runner Horace Mann Track and Horace Mann Cross Country

Pianist since age of 8