

## **Michael Truell**

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### Education

Horace Mann School

GPA: 4.0

Weighted GPA: 4.2

Expected graduation: June 2018

Relevant coursework: Biology, Summer Chemistry, Honors Physics, Science Research, Honors Geometry, Honors Algebra II and Trigonometry, Computer Science

### Standardized Tests

800 on Molecular Biology SAT II, 2015

800 on Chemistry SAT II, 2015

99 percentile of independent school students on SSAT, 2013

### Research

Co-researched "A Universal Robot Control System using Reinforcement Learning with Limited Feedback." Winner of the Intel Excellence in Computer Science Award and the First Award in Computer Science at the finals of NYCSEF 2016. ISEF 2016 finalist. <https://goo.gl/XXyYFU>.

Researched novel methods of robotic localization, vision processing, and sensor filtering in my position as head of software for my school's Varsity Robotics Team.

Researched and built a website that mirrors the writing style of any author given a sample of text using recurrent neural networks, computational models of a brain.

Researched and built simulator which demonstrated the evolutionary viability and spontaneity of group behavior.

### Work

App development intern at Mach3D (January 2016 - May 2016)

### Extracurriculars

Leader of the Horace Mann American Computer Science League Team

Leader and founder of the Horace Mann Programming Club

Head of Software for the Horace Mann Robotics Team

Webmaster for the Horace Mann Community Council

Chief Technology Officer for the Record, Horace Mann's Weekly Newspaper

Science Olympiad Team

Horace Mann Debate Team

Horace Mann Varsity Track and Varsity Cross Country

6+ years of piano