

Michael Truell

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Address: 801 West End Ave Apt 5A; New York, NY 10025

Education

Horace Mann School

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 and built "A Universal Robot Control System using Reinforcement Learning with Limited Feedback." Admitted into the NYCSEF, March 2016. Pursuing publishing avenues after competition season. More info and paper: <https://github.com/truell20/Fido-Public>.

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)

Computer science tutor for high schoolers (January 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

Chemistry Olympiad Team

Science Olympiad Team

Webmaster for the Horace Mann Community Council

Horace Mann Debate Team

Horace Mann Varsity Track and Varsity Cross Country

6+ years of piano