

## Michael Truell

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

### Skills

Java, C++, PHP/MySQL/Linux, Python, MongoDB, Javascript, and Machine Learning

### Education

Horace Mann High School

GPA: 4.0

Weighted GPA: 4.2

Expected graduation: June 2018

Relevant coursework: programming languages, data structures, desktop and mobile applications, desktop games, artificial neural networks, reinforcement learning, and robotic localization

### Standardized Tests

800 on Biology M SAT II, 2015

800 on Chemistry SAT II, 2015

99 percentile of independent school students on SSAT, 2014

### Awards

Intel Excellence in Computer Science Award, NYCSEF finals 2016

First Award in Computer Science, NYCSEF finals 2016

Member of Team NYC for the Intel International Science and Engineering Fair 2016

Advanced to the Nationals of the American Computer Science League, 2016

### Projects

#### **A Universal Robotic Control System using Reinforcement Learning with Limited Feedback**

Robotic software that learns from people. Competing in the 2016 Intel International Science Fair.

#### **Fido**

An open-source C++ machine learning library for embedded electronics and robotics

#### **New York Computer Science League**

A website for hosting monthly programming competitions among New York City high schools.

#### **Mimicr**

A website for text generation using recurrent neural networks with long short-term memory.

#### **Halite**

Halite is an multi-player turn-based programming competition played on a rectangular grid.

### Extracurriculars

Leader and founder 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