

## Michael Truell

Phone: (646) 469-8463

Email: michael\_truell@horacemann.org

Website: truell20.github.io

Github: truell20

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

### Skills

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

### Education

Horace Mann High School

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

1st place at HackMann hosted by the Horace Mann School

2nd place at DefHacks hosted by Stuyvesant High School

3rd place at TigerHacks hosted by the Dalton School

Invited to the New York Science and Engineering Fair February 2016

Invited to Pennapps January 2016

### Projects

#### **Fido**

A universal robotic control system using reinforcement learning with limited feedback

#### **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**

A game played by AIs equipped with a lightweight library for writing AIs in Java, C++, and Python. Entries are compiled, run, and ranked on our website.

### 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

Horace Mann Debate Team

Horace Mann Varsity Track and Varsity Cross Country

6+ years of piano