

# Moses Xu

Hello! I'm an 11th grade programmer and computer enthusiast!

**Email:**

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**Website:**

[plasmatic1.me](http://plasmatic1.me)

## PROJECTS

### **BetterWeb** — *Employing machine learning to determine the bias of articles*

A side project by me and two classmates from school. It's planned to be a Chrome extension that determines the bias of news articles through their headlines. Currently I'm working on a webapp to collect training data by letting students vote on articles.

GitHub Link: <https://github.com/betterweb-team>

### **CP Tools** — *A VSCode extension for Competitive Programmers*

An extension for competitive programming features a powerful local testing system and automatic conversion of code templates into VSCode snippets. Many features are currently planned, such as stress testing and integration with existing tools.

GitHub Link: <https://github.com/plasmatic1/cp-tools>

## VOLUNTEERING AND INTERNSHIPS

### **Focal Healthcare, 10 Morrow Ave., Suite 101** — *Internship*

AUGUST 2019 - 3 WEEKS

- Scripting work for testing and documentation
- Technology Used: Python 3 using xlrd, xlswriter, and python-docx
  - Much of the documentation for the test cases, product requirements, product specifications, etc. were stored in hand-written word documents and spreadsheets
  - Data inconsistencies were often present
  - A program was required to find these inconsistencies and resolve them

### **Sunrise Senior Living, 456 Trafalgar Road** — *Volunteer Performer*

AUGUST 2018 - DECEMBER 2019

- Directed and participated in weekly recitals with other students
- Instrument: Piano

## SKILLS

Algorithms and Data Structures

Programming Languages:

Python, Java, C/C++,  
HTML+CSS+JS, Ruby

Public speaking and presenting

Frameworks: Node, React,  
Django/Flask, SpigotMC, Vue

## AWARDS

**Reply Challenge (Teen)** - 13th Place (~98.9th percentile)  
(Team: Arithmetic Cube)

**CCC Senior (2018-2020)** -  
2018: Group 3 Honour Roll (50/75) (~97th percentile),  
2019: Top 25% (33/75), 2020: 53/75

**USACO 2020 January** -  
Full-solved Gold Division (100th percentile), Platinum Participant (~66th percentile)

**Electric City Hacks IV (2019)**  
- Fifth Place (Project: Fresh Teams)

## LANGUAGES

English, Mandarin

## EDUCATION

### **Appleby College, 540 Lakeshore Blvd — *Expected Graduation 2021***

SEPTEMBER 2017 - PRESENT

- Problem setter and organizer for school math and programming contests
- Member of competitive swimming team