Stephen Huan

+1 (785) 218 8769
stephen03.huan@gmail.com
https://stephen-huan.github.io/
stephen-huan
PGP key A99DD60E

Resumé

Education

2017–Present **High School**, *Thomas Jefferson High School for Science and Technology*, Alexandria, weighted GPA *4.466/4.0*, currently a junior high school student.

Courses taken

- AP Computer Science plus Data Structures (5 on the APCS-A exam), Artificial Intelligence, AP Calculus BC (5 on the AP exam), Multivariable Calculus

Courses taking

- Matrix Algebra, Parallel Computing, Computer Vision, AP Physics C

Programming Experience

Languages

Python, C++	High	*3+ years of Python scripting, Python was used in AI and C++ in CV*
Java, C, LaTeX	Medium	*Java was used in APCS, C in parallel, and LaTeX for this document*
Mathematica, Matlab, R	Low	*Some familarity with mathematical languages*

Projects

Algorithms	Implementations of the simplex algorithm, number theoretic transform, suffix trees, Aho-Corasick automaton, and Fischer-Heun structure to name a few.
TJ Cubing Website	Created the website TJ Cubing to automate finding Rubik's cube competitions, maintaing school records, organizing lectures, and other tasks.
GPG-Messenger	Pidgin-style Python app that uses the PGP protocol to encrypt messages.
School Research	Model selection to predict the number of salamander eggs in pools (SVMs won).

Other

Tutoring	Was a paid tutor in Computer Science as well as a volunteer tutor for peers, volunteered to teach Rubik's cubing at Hope Chinese School.
Volunteering	Volnteered at Techstravaganza, an outreach event for children, and wrote problems for TJ IOI, a high school programming contest.

Hobbies and Interests

Senior Computer Team	Participated in a variety of programming competitions (USACO (gold), VTech, PClassic, MBIT (3rd, team), and UMD (2nd, team)) and wrote lectures.
Machine Learning Club	Participated in in-house contests through Kaggle.
Running	Year long junior varsity runner on the school's cross country and track teams.
Cubing	I average ~10 seconds on the 3x3 Rubik's cube and 13 seconds one-handed.