

Jason Xu

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EDUCATION

TUFTS UNIVERSITY | Medford, Massachusetts

August 2019 - May 2023

- School of Arts and Sciences
- Intended Majors: Mathematics and Computer Science

SHANGHAI AMERICAN SCHOOL - PUDONG | Shanghai, China

August 2014 - July 2019

- GPA: 3.90/4.00
- Math Club President, Varsity Basketball, Link Crew Leader

WORK EXPERIENCE

INTERN | Blueprint Education

June 2019

- Improved the student score database at Blueprint Education, a test preparation and college counseling company.
- Automated the importing of 2000+ mock scores of previous students into Excel using Visual Basic.
- Performed data analysis using Excel formulas and graphs to create auto-updating reports.
- Discovered score improvement trends that were then used for advertising purposes.

PRIVATE TUTOR | Advanced Pre-Calculus

August 2017 - July 2018

- Tutored Precalculus every Sunday and Wednesday during school year and summer.
- Taught math lessons, answered questions, created problem sets.

PROJECTS

JUMBOCODE | Just-A-Start YouthBuild

August 2019 - Present

- Developing the front-end interface for a web application for Just-A-Start YouthBuild - a nonprofit organization aiming to educate people who have dropped out of traditional high school.
- Learning React.js and implementing admin interface prototypes from project designers.

FREELANCE CODING | Topcoder

June 2018 - Present

Proximity Hazard Detection

- Participated in a 20-day long online hazard detection competition in July 2018. Was given footage from the back of a garbage truck and asked to assess the hazard level by identifying truck direction, bin lifter movement, and people. Learned Python along with the OpenCV Computer Vision Library and finished 3rd out of 142 registered participants.

50th Anniversary of Apollo 11

- Placed 1st out of 76 participants in an ASCII art challenge to celebrate the 50th Anniversary of Apollo 11. Used existing photos and videos to create a colored ASCII animation with dynamic elements.

AWARDS

2019 **Sir Isaac Newton Exam - Certificate of Distinction** | Placed first in school, 63rd worldwide out of 2000+ participants on 120 minute long Canadian Physics competition

2019 **Purple Comet - 1st Place Team in China** | 90 minute team competition administered at school, worldwide Honorable Mention

2019 **The Aspiring Nobel Prize Award** | End-of-year school science award given to three seniors

2019 **The Excellence in Math Award** | End-of-year school award given to two students per grade

2018 **National Merit Finalist** | 1500 on PSAT

2018 **Artificial Intelligence Award** | End-of-year school award given to a Computer Science A student

2018 **ASDAN Math Tournament - 2nd Place Team** | Travelled to Beijing and placed 2nd overall out of 80+ teams in China (640+ people)

OTHER

Programming **Proficient** in C++, Java, Python, HTML, CSS, VBA. **Understanding** of Javascript, Latex, Matlab
Coursework AP Computer Science (5), IB HL Mathematics (7), AP Physics C - Mechanics (5),
AP Physics C - E&M (5), Linear Algebra, Number Theory, Calculus III, Intro to CS