MASON ZHANG

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Academics

Brown University - 4.0 GPA   Providence, RI

      Sc.B. in Computer Science and A.B. in Philosophy (2021-2025)

Amity Regional High School - 3.99 GPA, SAT: 1540   Woodbridge, CT

Honors and Awards

<u>2021:</u> *2nd Place Environmental Science at CSEF, Graduation Speaker Nominee, Horatio Alger State Scholar, CT Delegate to the National Youth Science Camp, Pfizer Life Science Award Medalist, Matriculate High School Fellow*

<u>2020:</u> *CT Scholastic Critical Essay Contest Honorable Mention, JFK Profiles in Courage Essay Contest Top 10% Essay, AP Scholar with Distinction*

<u>Relevant Coursework</u>: Object-Oriented Programming, Ethics of Digital Technology, Linear Algebra, Data Structures

Leadership and Project Management

Hack@Brown

Developer Team Member (Aug *2021-Present*)| 2 hrs/week
- Utilized React, HTML, and CSS for front-end website development for the annual hackathon

Watson Institute Fall Study Group

Public Policy Debater (*Sep-Nov 2021)* | 2 hrs/week
- Applied the problem-solving paradigm to a host of relevant policy issues in a selective seminar instructed by Tom Perez, DNC Chairman and 26th Secretary of Labor

Assistant Professor Steven P. Brady's Lab at Southern Connecticut State University

High School Research Assistant (*2018-2021)* | 3.5 hrs/week
- Designed 3 research projects and posters on how salt contamination impacts wood frog survival
- Performed extensive data analysis with R using packages like ggplot2 and tidyverse
- Collected data on 600 wood frog edema samples in aid of a graduate student's thesis
- Co-authored a paper accepted for publication to the top biodiversity journal *Freshwater Biology* on how pollutants impact wood frog physiology
- Created deep neural networks via DeepLabCut in Python to track tadpole swim velocity with AI

Language Immersion Network Senior Volunteer Teacher, Founder of CT Chapter

Remote Tutor (2018-2021) | 2.5 hrs/week
- Taught English weekly to classes of K-12 students from underprivileged demographics in China
- Supervised operations in Connecticut, recruited and coached a dozen new tutors

Community Outreach

Brown Tutoring Corps Member (2021-present) | 4 hrs/week
- Tutored local high schoolers in Algebra I and various foundational mathematical concepts

West Haven VA Hospital Volunteer (2019-2020) | 2 hrs/week
- Manned the front desk, managed visitor records, and carried out administrative duties
- Fundraised $4000 for cancer research as an active member of a local Relay for Life student group

Wave Learning Festival Seminar Instructor (Summer 2021) | 5 hrs/week
- Taught topics in Ancient Greek philosophy to dozens of students

Skills:

Proficiency in Python, Java, and R | Fluency in Mandarin (Writing/Speaking)

Interests:

Brown Wind Symphony Flutist (2021-present) | 3 hrs/week

NMS Symphonic Wind Ensemble *Principal Chair Flute (2019-2020)* | 3 hrs/week

Amity Theater Pit Orchestra *Solo Flute (2020-2021), Keyboard (2019)* | 4 hrs/week

Starting Doubles Varsity Tennis Player (2018-2021) | 5 hrs/week