TRAVIS TRAN

MASSACHUSETTS ACADEMY OF
MATH AND SCIENCE CLASS OF 2024

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ABOUT ME

Current senior at the Massachusetts Academy of Math and Science at Worcester Polytechnic Institute (WPI) in Worcester, MA pursuing a career in biomedical engineering.

EDUCATION

AMSA Charter School

6th - 10th Grade (2017-2022)

AP Calculus BC (5)

AP Computer Science A (5)

4.63 GPA

Mass Academy

11th - 12th Grade (2022-2024)

4 Research Projects

Calculus sequence finished at WPI

1550 SAT, 35 ACT

4.0 GPA at WPI

Harvard University

Summer 2022

Pre-college course on Bioinformatics

MIT — Beaverworks

Summer 2023

Course on developing autonomous underwater vehicles

SKILLS

Computer Aided Design (CAD)

Python, Java, C++

HTML, CSS

Matlab, Mathematica

Swift, SwiftUI

Basic R

PROJECTS & AWARDS

Modular Prosthesis — Sept 2022 - May 2023

Six-month long independent research project under the advisory of Dr. Kevin Crowthers, Ph.D.

March Madness ML Model — Nov 2022 - May 2023

ML Model which predicts the winner of the NCAA Men's D1 Basketball Tournament

Unified Grocery App — Jan 2023 - Present

Grocery app which keeps a virtual fridge, gives recipes based on ingredients on hand, and keeps track of expiration dates

Sit to Stand Assistive Device — Feb 2023 - Present

Assistive device designed to be placed on top of chairs and seats to aid users in sitting in and getting out of them

Junior Mathematics Olympiad (JMO) Qualifier	**2021**
Freshman Math Team Leading Scorer - AMSA	**2021**
4th Place - Worcester County Mathematics League Varsity Individual Rankings	**2021**
Gold Community Service Award - AMSA	**2021**
Varsity Math Team Leading Scorer - AMSA	**2022**
Platinum Community Service Award - AMSA	**2022**
Purple Comet Honorable Mention (Top 3%)	**2023**

EXTRACURRICULARS

National Honor Society

AMSA and Mass Academy
2022 - 2024

Community Service

AMSA - Leaders of Tomorrow Club
Mass Academy - President of Mass Academy Community Service Club
2020 - 2024

Math Team

AMSA - Captain of the freshman and varsity teams
Mass Academy - Team Captain
2017 - 2024

Student Government

AMSA class of 2024 representative
2021-2022

Creative Engineering Club
Programming Team
CAD Club
Cooking Club
Mass Academy 2022-2023