

TRAVIS TRAN

MASS ACADEMY CLASS OF 2024
JOHNS HOPKINS BME CLASS OF 2028

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ABOUT ME

Current high school senior at the Massachusetts Academy of Math and Science at Worcester Polytechnic Institute in Worcester, MA matriculating to Johns Hopkins University in Baltimore, MD in fall 2024 majoring 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

Command Prompt/Terminal

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 - May 2023

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