

# 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 - 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