

Matthew James Sticha

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EDUCATION

University of Michigan-Ann Arbor

Bachelor of Science and Engineering | Computer Science | GPA: 3.94/4.0

Ann Arbor, MI

Graduation Class: 2024

Cretin-Derham Hall High School

GPA: 4.3 | ACT: 35 | AP Coursework: Calculus AB, Physics, Environmental Science, Chemistry

St. Paul, MN

June 2020

HONORS & AWARDS

William J. Branstrom Freshman Prize 2020 (Top 5% of UM Freshmen)

High School Class Salutatorian 2020

University Honors 2020 (UM GPA above 3.5)

AP Scholar with Honors 2019 and 2020

National Honors Society 2019 and 2020

EXPERIENCE

UROP Research Assistant

Ann Arbor, MI

Research Assistant

September 2020-May 2021

- Work with Dr. Michael Heaney to research the current relationship between political parties and social movements in the US by analyzing survey data related to recent protests
- Participate in bi-weekly seminars that introduce various research topics and simulate career discernment

UM Solar Car Team

Ann Arbor, MI

Team Member

November 2020-May 2021

- Completed training project pertaining to choosing optimal speeds for the Solar Car as a lead in to advanced projects
- Utilized coding and analytic skills on team project to model the solar array and create optimization software

Georgetown Summer Medical Program

Georgetown, Washington, D.C.

Student

July 16-July 22, 2019

- Participated in career discernment by attending panels of prestigious individuals in various fields
- Learned from top Georgetown professors and gained hands-on lab experience

LEADERSHIP

Student Council, Co-President

St. Paul, MN | August 2019-May 2020

- Acted as a facilitator between the student body and administration to serve the needs of the community
- Coordinated monthly meetings to plan and implement school-wide service and entertainment events

Link Crew, Leader

St. Paul, MN | August 2018-May 2020

- Facilitated multiple team building exercises in order to welcome incoming freshman
- Directed a group of freshmen throughout the year to help them make a smooth transition to high school

SERVICE

Guatemala Service Trip, Volunteer

San Lucas Tolimán, Guatemala | Summer 2019

- Partnered with Friends of San Lucas to assist in rebuilding homes, serving in soup kitchens and aiding social workers
- Engaged with a new community where I was introduced to a new language and to a new culture

Tutor Thy Neighbor, Tutor

St. Paul, MN | November 2018-February 2020

- Assisted local Somali youth in St. Paul area with school work to help them develop as students and leaders

Sustainability Club, Member

St. Paul, MN | August 2017-May 2020

- Collaborated with students and staff to implement initiatives in our school to create a more sustainable environment

SKILLS

Languages

- C, C++, CSS, HTML, Javascript, Python, MATLAB

Completed Coursework

- EECS 280 (Programming and Intro Data Structures), EECS 281 (Data Structures and Algorithms), EECS 203 (Discrete Math), Calculus I, Calculus II, Calculus III, Physics, Chemistry

Current Coursework

- EECS 370 (Introduction to Computer Organization), EECS 376 (Foundations of Computer Science), MATH 214 (Applied Linear Algebra), STATS 250 (Introduction to Statistics and Data Analysis)