

Vishal Chandra

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EDUCATION

University of Michigan, Class of 2025

BSE in Computer Engineering

Aug 2021 – May 2025

- Relevant Coursework: Discrete Math (EECS 203), Intro Data Struct. (EECS 280), ENGR 100: Drones

Concord-Carlisle High School

Aug 2017 – May 2021

- National Honor Society, Engineering Certificate
- Relevant Coursework: AP Computer Science, Arduinos/Intro EE, Linear Algebra, Calculus I-III

RESEARCH EXPERIENCE

Research in Mathematics and Geometry

June 2020 – Aug 2021

- Developed a new simulation of kaleidocycles – a class of ring linkages – adapted from a combination of past math and graphics literature for use in designing toys for children
- Research paper published in Bridges Math Art 2021 conference as first author

EXTRACURRICULAR ACTIVITIES

Michigan Sports Analytics Society: Predictive Modeling Team

Sep 2021 – Present

Michigan Daily: Web Development Team

Sep 2021 – Present

Student Government President (High School)

Sep 2017 – May 2021

- Led student government through the development and planning of new school events
- Introduced online ordering for school merchandise

Robotics Team Software Lead (High School)

Sep 2017 – May 2021

- Software team captain for the 2020 and 2021 FIRST Robotics Competitions
- Gained experience working with sensors, motion control, embedded systems; mentored new members

VOLUNTEER EXPERIENCE

Discovery Science Museum (Acton, MA)

Jan 2019 – Dec 2019

- Operated interactive exhibits and created a digital simulation of harmonograph tables
- Helped to foster a love for science in young museum visitors

TECHNICAL SKILLS

Proficient: Java, Python, Arduino, Processing

Familiar: HTML/CSS/Javascript, Sass, Bootstrap, C/C++, C#, Pixelmator

Please see vishalchandra.com for personal projects

HONORS, AWARDS, AND SPECIAL RECOGNITIONS

USA Computing Olympiad, Silver Division (2020)

Mass Audubon Climate Justice Award (2019)

National Spanish Exam, Gold Medalist (2018)

HOBBIES & INTERESTS

Mechanical Watches, Puzzles, Mathematical Art, Graphic Design, History