

Vishal Chandra

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EDUCATION

University of Michigan, Class of 2025

BSE in Computer Engineering, Minor in Mathematics & Statistics

Aug 2021 – May 2025

- GPA: 3.8/4
- Relevant Coursework: Discrete Math, Data Structures, Algorithms, Intro Logic Design, Diff. Eq.

Concord-Carlisle High School

Sept 2017 - May 2021

- GPA: 3.85/4
- 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 mathematics and graphics literature which allows 3D modeling and sculpting
- Research paper published in Bridges Math Art 2021 conference as first author

EXTRACURRICULAR ACTIVITIES

The Michigan Daily: Web Developer

Sept 2021 – Present

- Develop newsroom tools and web backend to support the newspaper's digital presence
- Create data visualizations and write data-based stories in cooperation with sports and news sections

Michigan Sports Analytics Society

Sept 2021 – Present

- Explore and extrapolate NFL trends as a member of the Predictive Modeling Team

Student Government President (High School)

Sept 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)

Sept 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, C++, Jupyter, Arduino, Processing, Three.js, Git
- **Familiar:** Verilog, HTML/CSS/JavaScript, Sass, Bootstrap, C, C#, Pixelmator
- Personal projects: vishalchandra.com

HONORS AND AWARDS

- College of Engineering Dean's List (2022)
- AP Scholar with Distinction (2021)
- USA Computing Olympiad, Silver (2020)
- Mass Audubon Climate Justice Award (2019)
- National Spanish Exam, Gold Medalist (2018)

HOBBIES & INTERESTS

Watches, Graphic Design, Robotics, Crosswords, American History