

Zachary Salloum

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EDUCATION

University of Michigan

Bachelor of Science in Mechanical Engineering, International Minor for Engineers

Ann Arbor, MI

Aug. 2025 – May 2029

- Cumulative GPA: 4.00/4.00
- University of Michigan Regents Merit Scholarship Recipient

Wylie E. Groves High School

High School Diploma

Beverly Hills, MI

Aug. 2021 – May 2025

- Cumulative GPA: 4.71/4.00
- AP Coursework in: Physics, Calculus, Psychology, English, US History, French, Literature, and Economics
- National Honor Society, National AP Scholar, DECA Chapter Co-President, Track and Field Team Captain

PROFESSIONAL EXPERIENCE

Bicycle Mechanic

D&D Bicycles

June 2023 – August 2025

Berkley, MI

- Collaborated with team members to maintain a clean, organized, and safe working environment
- Serviced, maintained, and repaired bicycles with a focus on efficiency, quality, and safety
- Assembled new bicycles upon arrival at the shop, adhering to strict quality control guidelines from manufacturers
- Enhanced customer satisfaction by efficiently diagnosing and repairing various bicycle issues

PROJECTS

Custom-Built 3D Printer Project | *Fusion 360, Onshape, VSCode*

June 2023 – August 2024

- Designed an original model for a customer 3D printer in order to produce a machine that operates faster and more accurately than comparable FDM machines on the market
- Utilized Onshape and Fusion 360 to develop a CAD file of the machine
- Specced and installed various electrical components, including a display, main-board, power supply, and external mosfet
- Altered main-board firmware using VSCode to make it compatible with the machine
- Hand-built, tested, and tuned machine to achieve precise results

D-Stock Electric Boat Project | *Siemens NX*

August 2025 – Present

- Currently engaged in designing an electric outboard motor and steering system for the University of Michigan Electric Boat Team's D-Stock competition boat

ADDITIONAL

Software Experience: Matlab, C++, VSCode, Fusion 360, Siemens NX, Onshape

Languages: Spoken and written proficiency in French

Relevant Coursework: Multivariable Calculus, Differential Equations, AP Physics Mechanics, AP Physics Electricity and Magnetism