

Ryan Herster

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EDUCATION

University of Michigan, College of Engineering

Ann Arbor, MI

Bachelor of Science in Engineering, Civil Engineering, Minor in Music • GPA: 3.89/4.00

April 2024

Relevant Coursework: *Design of Reinforced Concrete Structures, Reliability of Structures, Structural Engineering, Transportation Engineering, Traffic Science, Environmental Engineering Principles, Geotechnical Engineering, Civil Engineering Materials, Construction Management, Building Information Modeling (BIM)*

Seaholm High School

Birmingham, MI

Diploma • GPA: 3.99/4.00 • SAT: 1520/1600

May 2020

WORK EXPERIENCE

Aristeo Construction

Livonia/Wayne, MI

Operations Intern

May – August 2023

- Collaborated with coworkers, subcontractors, and Ford employees to ensure that construction projects were completed safely, on time, and on budget to support the production of new vehicles at an active automotive plant.
- Assisted with estimation of projects, facilitation/constructability meetings and on-site problem solving.
- Assisted with project document control including submittals, RFIs, punch lists, and closeout.

Barton Malow Company

Southfield, MI

UofM Civil and Environmental Engineering Externship Program

February – March 2023

- Networked with individuals in many different roles within a large contracting/construction management company and learned how they work together to complete billion-dollar projects by asking informed questions.

BEL Environmental Engineering

Livonia, MI

Construction Quality Assurance Intern

May – August 2022

- Collaborated with many different stakeholders to ensure projects were completed correctly, safely, and on time.
- Performed tests and documented daily observations to create final reports of the completed construction.

PROJECT EXPERIENCE

BLUElab – Sa Nima Collaborative

September 2021 – Present

- Collaborated with team members and professors to create a wood-fired cookstove using Socially Engaged Design that will be more economically and environmentally sustainable than current options for families in Guatemala.

FIRST Robotics Team 2960

January 2018 – May 2020

- Collaborated with team members and mentors to design the best robot within given constraints.
- Fabricated parts for custom engineered systems using a lathe, drill press, bandsaw, and other machinery.

Eagle Scout Project

September 2016 – April 2017

- Designed a method to illuminate a school sign by installing a solar powered light to highlight renewable energy.

ACTIVITIES

Chi Epsilon, Vice President

April 2022 – December 2023

- Managed logistics for meetings and collaborated with fellow board members to make an engaging, inclusive, and enjoyable initiation process for new members.

Kappa Kappa Psi (College Bands Co-Ed Honorary Leadership Fraternity), Member

January 2022 – Present

- Updated the sales practices of a merchandise company, resulting in a 104% revenue increase.

Michigan Marching Band, Member

July 2020 – Present

His House Campus Ministry, Member

January 2022 – Present

AWARDS

Roy D. Chapin Scholarship

September 2023

James B. Angell Scholar (4 consecutive terms of all A's)

March 2023

National AP Scholar

July 2020

SKILLS

Software Exposure

- BlueBeam Revu, Autodesk Revit, Navisworks, BIM 360, SAP 2000, Python, Matlab, Microsoft Office

Other Skills

- Part 107 Certified Drone Pilot, Time Management, Public Speaking, Team Management