

Harrison Surma

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Education

University of Missouri

Bachelor of Science in Computer Science

Minor in Psychology and Mathematics

Certification in Web and Mobile Applications Development

Columbia, Missouri

Graduation: May 2025

GPA 3.85/4.00

Magna Cum Laude

Awards & Honors

Mizzou Honors College

August 2021 - Present

- A selective society that requires a maintained cumulative 3.5 GPA and allows enrollment in classes with higher rigor and unique content such as Behavioral Science and Writing & Rhetoric

Mizzou High Dean's List

Fall 2021 - Present

- Awarded to students with a minimum of a 3.5 GPA. Awarded each semester since Fall 2021.

Projects

- MealGen: A Fullstack MERN + GraphQL web app for developing drag and drop meal plans with Websocket powered real-time collaboration. Fully deployable from a Docker container.
- Canvas CLI: A command line interface for interacting with the Canvas LMS API, allowing students to submit and manage course information and assignments. Tested, built, and deployed to PyPI with Github Actions.
- Portfolio: A dynamically generated portfolio website using React, Node.js, and Express. It is hosted on GitHub Pages and uses GitHub Actions for deployment.
- Resume Generator: A github repository that generates a pdf resume with github actions, yaml, and latex. This resume is version "v2025.05.02-0840" generated from the same repository.
- Personal Web Apps: Shuttle Timing, Availability Planning, & Constraint Satisfaction Problem based Meal Plan Generation. All made to be simple, clean, and universal.
- Halloween Laser Tag: Created and synthesized hardware and software system to register laser "hits" and engage IoT on various platforms devices through API in response.

Leadership & Volunteer Experience

SURF Underwater Robotics

University of Missouri, Columbia

Participation and Leadership in Software Group

2023-2025

- Work on motor communication, image processing, and state machine for task completion.
- Leadership of software group, educating and preparing new members for coding and source control.

"DNA Night"

DuPage County, IL

Volunteering for local Elementary and Middle Schools

2014 - 2018

- Lead the group in charge of logistics for setup and cleanup of labs in a timely fashion.
- Helped manage setup and cleanup of the event in accordance with verbal standards.

"STEM Night"

DuPage County, IL

Volunteering for local Elementary Schools

2017 - 2018

- Ran presentation and information booth on 3D Printers.
- Supported food services, smaller labs, and other general setup work.

Miseracordia

Chicagoland Area, IL

A Community for Persons with Developmental Disabilities

2010 - 2016

- Supported annual fundraising event by volunteering and running at booths.
- Spread awareness through donation collection at store fronts and roads in the community.

Skills

JavaScript, C, Python, HTML, CSS, Java, Node.js, React, SQL, Assembly, Project Organization, Communication