

Gannon Smith

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EDUCATION

University of Michigan - College of Engineering - Ann Arbor, MI

August 2021 – May 2025

Bachelor of Science, Engineering in Computer Science Engineering | GPA: 3.75

Minor in Electrical Engineering

Honors:

Dean's List; Fall 2021- Present

Relevant Coursework:

Web Systems, Computer Organization, Logic Design,
Data Structures and Algorithms, Electronic Circuits,
Programming and Data Structures, Discrete Mathematics,
Intro to Autonomous Electronic Systems

WORK EXPERIENCE

Ford Motor Company - Model E

Dearborn, MI

Connected Vehicle Software Intern

May 2023 - July 2023

- Worked on the On-Board Diagnostics team researching an algorithm to condense a data stream to a meaningful and useful output histogram
- Programmed algorithm in Python and Matlab using unit testing and integrated testing to provide proof of concept
- Converted algorithm to C to be embedded within the powertrain of vehicles, further developing algorithm to fit needs

Michigan Medicine - 3D & Innovations Lab

Ann Arbor, MI

Software Engineering Technician

June 2022 - Present

- Independently developed the full stack for an application used by Michigan Medicine faculty to evaluate instructors based on data from thousands of check-out forms using Python to pull data, obtain relevant data, and construct a report which can be downloaded and circulated by the user
- Collaborated with doctors and professional staff to discuss project details and potential improvements to current systems
- Partnered with biomedical engineering students to produce teaching tools and simulations used by the Michigan Medicine Clinical Simulation Center

Tamarack Tower

Port Chester, NY

Web Developer and Server Administrator

September 2022 - Present

- Maintained web pages for nonprofit organization promoting education by awarding scholarships to students
- Programmed to enable the online purchase of ticket events and membership subscriptions in JavaScript
- Developed an automated email system using cron and JavaScript to notify administrators of donations and provide weekly summaries

PROJECT EXPERIENCE

Bubble (In Progress)

May 2022 - Present

- Open source project developing an end-to-end encrypted app allowing users to create groups, send messages, and track others' real time locations using a Rust backend and frontend, and a Postgres Database
- Collaborated on the frontend and backend of the app, developing the routes and models from scratch using the MLS model
- Independently developed user authentication process

SKILLS

- Languages: C++, C, Rust, Python, JavaScript, SQL, HTML, CSS, Verilog, MATLAB
- Technologies: Git, Postgres, CAD
- Other Skills: Circuits, Soldering

EXTRACURRICULARS

Autonomous Robotic Vehicle (ARV)

September 2022 - Present

Navigation Software Team Member

- Project team building an autonomous robotic vehicle for the Intelligent Ground Vehicle Competition
- Worked in navigation team, programming autonomous pathing used by robot using A* and D* Lite algorithm

VictorCrypto (Cryptography Club)

June 2022 - Present

Vice President & Founder

- Envisioned mission and structure to facilitate the growth of the club, recruited 60+ members in first two semesters
- Orchestrated discussions about the world of cryptography and its applications in modern society
- Organized simulations and demonstrated the applications of cryptography