Gabriel Gottlob

Denver, Colorado
ggottlob@umich.edu | (720) 383-8078
https://www.linkedin.com/in/gabriel-gottlob-431abb23a

Education

University of Michigan, College of Engineering **Ann Arbor, MI**
B.S.E., Computer Engineering, Minor in Statistics Expected Graduation: May 2026

- GPA: 4.0/4.0
- Course Highlights: Data Structures and Algorithms, Introduction to Computer Organization, Discrete Mathematics, Introduction to Logic Design, Introduction to Electronic Circuits, Applied Statistical Methods
- Awards/Honors:
    - William J. Branstrom Freshman Prize- Awarded to first-term freshmen who rank in the upper five percent of their class within their school or college
    - University Honors and Dean's List- Fall 2022, Winter 2023, Fall 2023

Relevant Experience

MHackers Student Organization
Member of Embedded Systems Team Sept. 2023-Present

- Attends weekly meetings to learn Arduino, Raspberry Pi, and broader computer engineering fundamentals and apply them to individual and team projects
- Utilized Arduino (and its variant of C++) to design and build a working prototype of an eco-conscious air conditioning system that regulated temperature based on external environment conditions.

High Point Creamery **Denver, CO**
Shift Lead May 2022 - Aug. 2023

- Oversaw daily operations of the shop, provided excellent customer service, managed financial transactions including tracking of deposits and employee tips, and executed opening and closing procedures independently.
- Demonstrated strong leadership and interpersonal skills, resulting in a promotion to Shift Lead within the first summer thanks to consistent reliability and positive relationships with coworkers.

Chief Executive Officer **Denver, CO**
MadCards Ltd. Aug. 2020 - Aug. 2022

- Directed operations of a local greeting card business throughout high school, successfully increasing net profit through efforts primarily focused on door to door sales and card production cost minimization.
- Cultivated relationships with local business owners, successfully selling cards and participating in collaborative pop-up events with other small Denver businesses.

Related Projects

- Wrote a machine learning program in C++ that when trained on previous data, could be used to accurately predict the topics of posts on a classroom forum website
- Implemented the logic behind a calculator in Verilog that utilized RTL design principles alongside a Booth multiplier and ripple carry adder to provide addition, subtraction, multiplication, and quotient functionality
- Built a REST API in C++ that utilized HTTP protocols to manage the back end of a computer science classes' office hours queue, whose functionality included adding and removing students to and from the queue
- Wrote a content-aware image resizing program in C++ that could crop an image to a smaller size whilst removing only the "least important" pixels and keeping the subject of the photo in frame

Hobbies/Interests

- Avid outdoorsman who hikes, skis and fishes in the Colorado wilderness and Michigan Upper Peninsula
- Embarked on 2000+ mile, 10 day camping road trip in August 2023 through 4 states and 4 national parks