

Ethan Osmundson

ethanosmun@gmail.com | 612-360-6130 | Maple Grove, MN | [linkedin.com/in/ethanosmundson/](https://www.linkedin.com/in/ethanosmundson/)

Education

University of Minnesota – Twin Cities

Bachelor of Arts, Computer Science
Minor in Statistics

Graduated May 2023
GPA: 3.93

Experience

Boston Scientific – Active Implantable Firmware

Software Engineer II

Aug. 2025 – Present

Software Engineer I

Sep. 2023 – Aug. 2025

- Developed implantable device firmware for a Class III urology active implantable under development
- Designed a hardware simulation system used for firmware verification which simulates components within a product under development
- Maintained a high level of software quality through unit test, design documentation, and requirements development activities
- Owned development of firmware features and collaborated with cross-functional engineering teams

Data Science Intern

May 2023 – Aug. 2023

- Evaluated image augmentation techniques to improve the accuracy of classification models used to validate thousands of medical devices per month
- Designed and executed experiments to compare the efficiency and performance of a variety of neural network architectures on visual inspection tasks

Firmware Engineering Intern

May 2022 – Sep. 2022

- Developed an embedded C simulation of a piezo driver and pressure sensor used for firmware testing of an upcoming urology product using RTT, SPI, and I2C technologies
- Developed a C# Windows user interface for firmware validation
- Communicated results cross-functionally with team members from various disciplines

University of Minnesota Solar Vehicle Project

Director of Operations & Co-President

June 2021 – May 2022

- Managed operational and financial aspects of a \$250k/year student engineering organization
- Maintained strong relationships with corporate sponsors and University administrators
- Managed logistics for a cross-country solar vehicle race during the 2021 American Solar Challenge

University of Minnesota Department of Computer Science and Engineering

Undergraduate Teaching Assistant

Sep. 2021 – Dec. 2021

- Graded and provided constructive feedback on Python programming assignments
- Worked to establish a positive and inclusive learning environment for all students

Skills

Languages: C; C#; Python; R

Tools: I2C/SPI; J-Link; Logic Analyzers; Microcontrollers; GDB; Version Control; Linux; VS Code; VectorCAST

Other: Public Speaking; Leadership