

Erin De Witt

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Education

University of St. Thomas (St. Paul, MN)

Aug 2022 - May 2026

BSCPE Computer Engineering, **BS** Computer Science; **Minors:** Data Analytics, Statistics, Philosophy

GPA: 4.0 (Dean's list x6)

Study Abroad: January 2025 in Seoul, South Korea taking *High-Tech Manufacturing, Engineering, and Society*

Work Experience

Medtronic

Mounds View, MN

Software Engineering Intern

June 2024 - August 2025

- Works with a team of full-stack developers to write features for the complete rewrite of an internal web application.
- Develops API endpoints to return data from various database tables using C#, .NET, Entity Framework, and SQL.
- Develops visually appealing and easy to use UI/UX elements using HTML, SCSS, TypeScript, and Angular.
- Develops unit tests in C# and automation tests using Selenium to ensure code quality and performance.

Software Engineer I

July 2026 - Present

→ TBD

Polaris

Minneapolis, MN

Engineering Student Partnership

Sept 2025 - Present

- Works on an engineering interdisciplinary team in partnership with Polaris for my senior design requirement.
- Acts as a requirements engineer, human factors engineer, and market researcher to understand ORV users needs.
- Works to design and implement a smart lighting system for ORVs using CAN and following industry standards.

QBE

Edina, MN

Accident and Health Underwriting Intern

June 2023 - Aug 2023, Oct 2023 - Dec 2023

- Manages and cleans large data files using Excel.
- Performs multistep system clean up protocols and helps identify system faults.
- Collaborates in teams of 6 to present proposed solutions to adapt to issues faced by the company as a result of climate change based on research and interviews with industry professionals.

Activities

Institute of Electrical and Electronics Engineering

Sept 2022 - Present

- Serves as the President as of May 2024, on the board as of September 2023, member as of September 2022.
- Coordinates with local companies, other club leaders, and the Engineering Department to organize 20+ events and opportunities for career and academic development each year for 70+ members.
- Builds community and club engagement by increasing average attendance by 107% and event frequency by 41%.

Society of Women Engineers (SWE)

Sept 2022 - Present

- Serves as the service chair as of May 2025, the Fundraising Chair as of May 2024, member as of September 2022.
- Organizes and leads 3+ fundraising events a year to raise money for club activities.
- Participates in monthly meetings, interacts with other female engineers, and attends the annual SWE conference.

St. Paul Children's Hospital

Nov 2017 - Present

- Crochets and donates 100+ items to the kids staying at the children's hospital.

Skills

Software: Java, C/C#, Python, Linux, Git, Debugging, TDD, Unit Testing, Algorithm Analysis, OOP

Full Stack: JavaScript/TypeScript, HTML/CSS, API Development, AngularJS, MySQL, Node.js, .NET

Hardware/Firmware: Embedded Systems, Microcontrollers (STM32), FPGAs, PCB Design, Multisim, Ultiboard, Circuit Analysis, Verilog, Xilinx Vivado, Keil uVision, ARM Assembly, MIPS

Other: MiniTab, Azure DevOps, Problem Solving, Unit Testing, Technical Documentation, Excel, Power BI