

Erin De Witt

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Education

University of St. Thomas

Aug 2022 - May 2026

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

GPA: 4.0 (Dean's list x4)

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

Work Experience

University of St. Thomas

St. Paul

Student Creator

Aug 2024 - Present

- Works in the create[space], an area for students to work on personal projects and attend events focused on different forms of creative expression.
- Teaches and leads groups of students on the use of different machines like 3D printers, poster printers, laser engravers, heat sublimation presses, screen printing frames, and precision cutters.

Medtronic

Mounds View

Software Engineering Intern

June 2024 - Aug 2024

- 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 SQL queries and stored procedures.
- Migrates API services and models into the UI using OpenAPI.
- Develops visually appealing and easy to use UI/UX elements using HTML, SCSS, TypeScript, and Angular.

QBE

Edina

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 (IEEE)

Sept 2022 - Present

- Serves as the President as of May 2024, on the board as of September 2023, and member as of September 2022.
- Coordinates with local companies, other club leaders, and the Engineering Department to organize 10+ events and opportunities for career and academic development each year for 70+ members.

Society of Women Engineers (SWE)

Sept 2022 - Present

- Serves as the Fundraising Chair as of May 2024, and 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. Thomas Computer Science Club

Sept 2022 - Present

St. Paul Children's Hospital

Nov 2017 - Present

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

Skills

Programming: Java, C/C#, Python, PowerShell, Git, OOP, Debugging, Unit Testing, Algorithm Analysis

Full Stack Development: JavaScript/TypeScript, HTML/CSS, API Development, Angular, SQL, Node.js

Hardware/Firmware: Microcontrollers, PCB Design, Multisim, Ultiboard, Verilog, Embedded Systems, FPGAs, Assembly, Circuit Analysis

Other: Visual Studio, MiniTab, Azure DevOps, Microsoft 365, Problem Solving, Technical Documentation