# Blaine Traudt

*Available: Winter/Spring at Anytime | Summer starting Monday, May 19, 2025*

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## EDUCATION

**University of Nebraska-Lincoln**                                                                      **May 2027**
*B.S. in Computer Science & Mathematics; Minor in Business; Focus Areas in Cybersecurity and Networking*          *Lincoln, NE*
> **Jeffrey S. Raikes School of Computer Science and Management**                              **GPA: 4.00**
>> Highly competitive honors program accepting approximately **40** students per year
>> Focused intensively on computer programming, business, communication and effective leadership
> **Relevant Classwork:** Discrete Structures and Algorithms, Statistics (Python), Computer Systems (C), Computer Science I-IV (Java & SQL & Javascript), Innovation Processes (Design Thinking), Linear Algebra

## WORK EXPERIENCE

**Speedway Motors Software Engineering Intern**                                          **May 2024 – Present**
*Contribute to Speedway Motors' eCommerce site | **C# (.NET), React (Next.js), SQL (DBeaver), Split, Azure***          *Lincoln, NE*
- Maintain and develop software to deliver value to customers and shareholders continuously using CI/CD
- Migrate and refactor existing React contexts to use Zustand stores to improve performance on the website

**School of Computing Learning Assistant and Raikes Teaching Assistant**          **January 2024 – Present**
*UNL SoC LA for 155E (C 1) and 156 (Java 2). Raikes TA for 183H (Java 1) | **Java, C, Leadership***          *Lincoln, NE*
- Provide constructive, positive feedback to students in a timely manner on code completion and quality

**School of Computing Undergraduate Researcher**                                   **October 2023 – May 2024**
*UNL Undergraduate Research on fiber networks under Dr. Byrav Ramamurthy | **C++, Git, Documentation***          *Lincoln, NE*
- Comprehensively wrote documentation and migrated C++ codebases from Apache Subversion to UNL GitLab

## PERSONAL PROJECTS

**Lucky Liars | Hardware | API**                                                              **February 2024**
*AI-powered murder mystery game that generates a new experience every playthrough | **Rust (Bevy), JS (Node + Express), C++***
- Won **1st** place at Corn Hacks by interfacing between a Node GPT API server, Rust game, and C++ Hardware

**EduWiz**                                                                                    **November 2023**
*Web app that betters educational outcomes by Web3 games | **JS (Svelte), Rust (Axum), Redis, Google Cloud, Flow Blockchain***
- Earned multiple prizes in different tracks while developing in parallel with 3 others over a **36** hour hackathon

**Studors | Demo: studors.traudt.dev**                                              **August 2022 – May 2023**
*A web service that allows for students to get in contact with volunteer student tutors | **Typescript, SQL, HTML, CSS***
- Coordinated with the Chief Technology Officer at Lincoln Public Schools to deploy to students in highschool

**piMI**                                                                          **January 2023 – February 2023 asd**
*Low cost remote server management interface made with a Raspberry Pi Pico W | **Python (Micropython), Bash, HTML, CSS***
- Connected a desktop computer and microcontroller via serial for remote power management over the internet

**fwd_outlook_graph (FOG)**                                                         **July 2023 – August 2023**
*Utilizing Microsoft's Graph API to automatically forward emails to catch-all domains | **Python (Flask), HTML, NGINX***
- Requested message subscriptions from Microsoft's Graph API and received responses on a Flask web server
- Allowed for consolidation of emails in a secure email box under my own custom catch-all email domain

## SKILLS

**Software Development:** C, C#, C++, Docker, Git, GNU/Linux, Java, Javascript, Python, Rust, SQL, Typescript
**Hardware Development:** Microcontrollers (PlatformIO), computer building, circuit/PCB design (KiCad)

## LEADERSHIP AND INVOLVEMENT

**Initialize (VP of Membership)**                                                   **August 2023 – Present**
- Teach local elementary school students how to use introductory programming concepts in Lego robotics

**LSW Programming Club (Co-Founder)**                                                **August 2022 – May 2023**
- Co-founded a programming club attending hackathons while growing it from **2** to **15** total members in a year