

# Blaine Traudt

Available: Fall/Spring starting August 25, 2025 | Summer starting May 4, 2026

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## EDUCATION

### University of Nebraska-Lincoln

B.S. in Computer Science & Mathematics; Minor in Business; Focus Areas in Cybersecurity and Networking

May 2027

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

### LISA - a Local Intelligent Student Advisor

September 2024

AI College Advisor with a realistic voice and face | **Python (Jupyter + Flask), JS (Node + Express, Next.js), Kubernetes**

- Won 2nd place for the Red Hat Challenge at Hack Midwest 2024 utilizing Red Hat OpenShift powered by AWS
- Developed in parallel with 3 teammates over a 24-hour hackathon managing several microservices and a LLM

### 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 better 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

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

## 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