

# Sophia Heinrich

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## EDUCATION

### University of Nebraska-Lincoln

*BS in Computer Science, Mathematics, Data Science, Minor in Business (GPA: 4.0)*

Lincoln, NE

May 2026

- **Jeffrey S. Raikes School of Computer Science and Management:** A highly selective honors program focusing on the intersection of computer science and business management, with emphasis on leadership and communication

## SKILLS

**Languages and Tools:** Java, TypeScript, React, C# .NET Core, Python, HTML/CSS, SQL, GraphQL, Git, Jest

## EXPERIENCE

### Hudl

May 2023 - Aug 2023, May 2025 - Aug 2025

*Software Engineering Intern*

Lincoln, NE

- Built **React/TypeScript** frontend code across 14 microservices, broadening Hudl's reach to all high school sports
- Delivered features with a team of 8 developers, designers, and product managers using agile **Scrum** methodologies
- Leveraged **MongoDB** to store and query large-scale sports data and **GraphQL** for retrieval and server-side requests
- Overhauled the school/team profile page on Hudl's Fan platform, enhancing navigation for **8M+** registered users via breadcrumbs, gradient team-color backgrounds, and containerized content layout
- Optimized American Football autogenerated highlights by redefining the algorithm's selection of "exciting" clips in **C# .NET**, increasing the engagement and relevance of **11M+** highlights
- Introduced drag-and-drop reordering functionality, enabling coaches to manage playlists and support their athletes
- Created new hotkeys functionality and popover menu, enabling coaches to efficiently navigate and analyze film

### TeachFront - (teachfront.com)

Aug 2023 - Aug 2025

*Co-Founder & Frontend Software Engineer*

Lincoln, NE

- Collaborated with 4 students and a Professor of Practice to develop TeachFront using **React/TypeScript** and **C# .NET**
- Utilized agile **Scrum** methodologies with 2-week sprints for efficient project management and timely development
- Produced a feature for instructors to predefine and reuse comments for assessments, including drag-and-drop reorder
- Engineered an announcements and messaging system with nested replies, strengthening instructor-student interaction
- Implemented **WCAG 2.1 AA** accessibility standards, meeting compliance requirements for university adoption
- Secured **\$110,333** in total earnings for TeachFront, contributing to the company's financial strength and future success

### Wells Fargo

June 2024 - Aug 2024

*Software Engineering Intern*

Minneapolis, MN

- Partnered on a **Kanban**-style research and development team focused on advising Wells Fargo's use of Workday
- Earned leadership approval to enable 6 Workday **AI features** by developing thorough black-box testing procedures
- Strengthened a **C# .NET Core** template application by improving the security for **5+** HR applications and **10+** teams
- Refactored repository methods to use Data Transfer Objects, preventing exposure of relational **SQL** database entities
- Decoupled service layer from database layer and upheld **Model-View-Controller** architecture and separation of duties

## INVOLVEMENT

### Kappa Alpha Theta - Rho

Lincoln, NE

*President*

Dec 2024 - Present

- Serve as the chapter's primary representative, making key decisions and ensuring alignment with Theta's values
- Oversee a **24-officer** cabinet to ensure efficient chapter operations, fostering leadership growth and collaboration

*Vice President of Operations*

Dec 2023 - Dec 2024

- Coordinated with officers to approve all events and ensured events ran smoothly and safely for all **150+** members
- Led weekly meetings to ensure members are upholding Theta's ideals and awarded members for their positive impacts

### Jeffrey S. Raikes School

Lincoln, NE

*Student Advisory Board Representative*

May 2025 - Present

- Represent Raikes School students by participating in bi-weekly board meetings to advocate for student needs
- Actualize feedback-driven improvements, enhancing the Raikes School experience with fellow representatives