

# Emir Ferzan

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## EDUCATION

### University of Nebraska–Lincoln

B.S. in Computer Science, Minor in Psychology

Lincoln, NE

Aug 2022 – May 2026

### University of Nebraska–Lincoln

Accelerated M.S. in Computer Science

Lincoln, NE

Expected May 2027

## TECHNICAL SKILLS

**Programming Languages:** Python, C#, Java, C, SQL, JavaScript, Node.js, HTML/CSS

**Frameworks & Databases:** React, ASP.NET, Flask, Microsoft SQL Server, MySQL

**Developer Tools:** Git, JIRA, ZenHub, Splunk, Cortex XSIAM, Linux/Unix

## PROFESSIONAL EXPERIENCE

### University of Nebraska Cybersecurity Team

CYBERSECURITY INTERN

Lincoln, NE

Jan 2025 – Aug 2025

- Contributed to the development of an **LLM-based assistant** using Retrieval-Augmented Generation (RAG) to enhance cybersecurity documentation, gaining hands-on experience with large-scale AI tools.
- Monitored and analyzed real-time logs with Splunk and Cortex XSIAM to detect and mitigate threats, ensuring system safety for thousands of users.

### NU – Information Technologies Services

INFORMATION TECHNOLOGY ASSISTANT

Lincoln, NE

Jan 2023 – Dec 2024

- Supported a university-wide network for 20,000+ users, resolving hardware, software, and connectivity issues to maintain uptime and productivity.
- Streamlined IT workflows by managing an inventory of 500+ devices and creating comprehensive documentation, improving team efficiency.

## PROJECTS

### Full-Stack UNO Game – Software Engineering Project

React, C# ASP.NET, Microsoft SQL Server, Git, ZenHub

- Developed backend gameplay logic for UNO, implementing turn sequencing, card validation, and special card effects in C ASP.NET with RESTful API endpoints.
- Built a React-based frontend for real-time player interaction, laying groundwork for multiplayer capability.
- Collaborated with team members using Git for version control and managed workflow through ZenHub.

### AI Resume Assistant – Full Stack Web App

HTML, Tailwind CSS, Flask, Python, JavaScript, Gemini API

- Designed and developed a full-stack AI-powered web application, managing the project end-to-end from ideation through.
- Focused on enhancing clarity, keyword alignment, and formatting without generating misleading or fictional content.
- Integrated real-time feedback, error validation, and export options to streamline the resume editing workflow.

### Modernization of FarMarT Sales Subsystem

Java (OOP), JDBC, MySQL

- Designed and implemented a backend system in Java (OOP) with JDBC and MySQL to manage product sales, farm equipment rentals, and inventory tracking for a simulated client.
- Developed reporting and invoicing features with a terminal-based UI to streamline operations and support data-driven decision making.

## LEADERSHIP & COMMUNITY INVOLVEMENT

### Computing Student Advisory Board

Event Planner

Sep 2022 – Dec 2022

- Coordinated events for the School of Computing, enhancing the learning experience for students.

### Initialize

Creative Coding Instructor

Aug 2022 – Dec 2022

- Designed and taught a structured HTML/CSS curriculum to 20+ middle school students, fostering early interest in technology and coding.