

# Emir Ferzan

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## TECHNICAL SKILLS

**Programming Languages:** Python, C, C#, Java, SQL, JavaScript, HTML, CSS

**Frameworks & Databases:** React, Node.js, ASP.NET, Microsoft SQL Server

**Tools & Platforms:** Git, JIRA, ZenHub, Splunk, Cortex XSIAM, Linux/Unix, Microsoft Office

## PROFESSIONAL EXPERIENCE

### University of Nebraska Cybersecurity Team

Lincoln, NE

*Cybersecurity Intern*

Jan 2025 – Aug 2025

- Contributed to building an LLM-based assistant for cybersecurity documentation using Retrieval-Augmented Generation (RAG) and Microsoft Teams integration.
- Monitored real-time logs via Splunk and Cortex XSIAM; analyzed threats, honeypot traffic, and phishing reports.

### NU – Information Technologies Services

Lincoln, NE

*Information Technology Assistant*

Jan 2023 – Dec 2024

- Provided technical support to over 20,000 users; resolved hardware, software, and network issues efficiently.
- Managed and inventoried 500+ devices; authored documentation to improve resolution times and streamline workflows.

## PROJECTS

### AI Resume Assistant – Full Stack Web App

[GitHub: EmirFerzan/resumeAI](#)

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

- Developed a responsive tool that assists users in customizing resumes for job descriptions using AI suggestions.
- 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.

### UNO Multiplayer Web App – Software Engineering Project – Backend Developer

[GitHub: EmirFerzan/uno-mvp](#)

*React (Vite, TS), Node/Express, Socket.IO, Zod, Jest/Vitest, Tailwind, Git, ZenHub*

- Designed and implemented REST + Socket.IO APIs in Express/TypeScript (/rooms create/join/start and /game namespace), with Zod validation and safe state broadcasting.
- Built core rules/game logic (legal moves, Wild/+4 color choose, Draw2/+4 stacking, Reverse/Skip, UNO penalty window) and simple bot turns with human grace timing.

### Modernization of FarMarT Sales Subsystem

*Java, MySQL*

- Developed a database-driven sales tracking system to optimize data integrity and efficiency.
- Implemented advanced reporting features for trend analysis and business intelligence.

## EDUCATION

### University of Nebraska–Lincoln

Lincoln, NE

*B.S. in Computer Science, Minor in Psychology*

Aug 2022 – May 2026

### University of Nebraska–Lincoln

Lincoln, NE

*Accelerated M.S. in Computer Science*

Aug 2026 – May 2027

## 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 across various computing disciplines.

### Initialize

*Creative Coding Instructor*

Aug 2022 – Dec 2022

- Designed and taught a structured HTML/CSS curriculum for middle school students, fostering interest in coding.