

DAT BUI

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EDUCATION

University of Nebraska-Lincoln

Lincoln, NE

Bachelor of Science in Computer Science, May 2027

GPA: 3.892

SKILLS

Frontend Technologies: HTML, CSS, JavaScript, TypeScript, React, RESTful APIs, Tailwind CSS, Vite

Backend Technologies: C/C++, C/.NET, Java, Python, Node.js, ASP.NET, MySQL, SQL Server

DevOps Data Analysis Tools: Git, GitHub, Visual Studio Code, Eclipse, Power BI, MATLAB, Power Automate

WORK EXPERIENCE

KZValve, LLC

Greenwood, NE

IT Systems Support Internship

May 2025 - Present

- Resolved 100+ hardware and software issues, accelerating ticket resolution speed by 35%.
- Developed and automated engineering report workflows using Power Automate, SQL, and Power BI, enhancing data accuracy and streamlining reporting processes.
- Deployed and configured Dell PowerStore storage systems, expanding capacity from 2TB to 22TB per server and enabling scalable, high-speed data access across servers and virtual machines.
- Strengthened system security by remediating vulnerabilities with Rapid7, achieving a 31% reduction in risks.

University of Nebraska-Lincoln - School of Computing

Lincoln, NE

Learning Assistant

Jan 2025 - Present

- Provided individualized support to 80+ students through one-on-one sessions and lab guidance, fostering a productive learning environment.
- Evaluated and graded assignments on CSE servers (Handin, Web-grader, CampusWire), providing feedback to ensure student understanding of Java and SQL concepts.

University of Nebraska-Lincoln - College of Engineering

Lincoln, NE

Learning Consultant

Sep 2024 - Present

- Provided effective tutoring and academic support in Calculus(I, II, III), Linear Algebra, and Differential Equations as part of the Nebraska Engineering Support and Tutoring (NEST) program.

Educational Talent Search

Lincoln, NE

Coding & Robotics Teacher Assistant

May 2024 - June 2024

- Assisted over 15 students in understanding and applying JavaScript coding and utilizing the Sphero robots app.
- Supported integrating JavaScript and Sphero Bolt technologies into curriculum activities, promoting interactive educational sessions.

PROJECTS

Ecommerce Store

March 2025 - May 2025

- Built a high-performance eCommerce web app using **React (TypeScript, Vite)**, and **Tailwind CSS**, delivering fast load times and smooth user interactions with responsive routing and state management via **React Router**, **React Query**, and **Context API**.
- Developed a scalable backend with **ASP.NET Core Web API**, **Entity Framework Core**, and **SQL Server**, applying clean architecture and **xUnit** testing for maintainable, reliable code.

SideQuest

March 2025

- Developed a web application offering **11 hands-on projects** for student internship preparation, using **React** and **TypeScript** for a user-friendly interface.
- Integrated **FastAPI** for high-performance backend services, enabling seamless communication between frontend and server while enhancing engagement and learning outcomes.