

# Lance Althouse

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## EDUCATION

**University of Nebraska-Lincoln** | Lincoln, NE  
Bachelor of Science in Software Engineering

Anticipated Graduation: May 2025  
GPA: 3.30

## EXPERIENCE

**TRIO Upward Bound** | Lincoln, NE

January 2022 - July 2023

Mathematics Tutor

- Collaborate with the tutor coordinator to ensure all the student's academic standards were met for Upward Bound students
- Instructed ten high school students in math and programming concepts, providing clear explanations and assessing understanding

Data Entry Associate

September 2021 - July 2023

- Analyzed hundreds of Upward Bound's student data and entered it into the program's database to ensure easy access by all staff members
- Utilized Excel, Word, and Google Sheets to create and maintain various documents for Upward Bounds data collection

## PROJECTS

**Movie Catalog Web App** - Personal Project

- Creating a Movie Catalog web app using React.js and Tailwind CSS for the front-end, dynamically fetching data from an API, and ensuring a user-friendly, responsive design.
- Demonstrating technical skills and collaborative abilities in the project while showcasing both front-end and back-end development capabilities.

**Expense Splitter Web App** - Personal Project

- Collaborated with a partner to create a web app that splits a bill among multiple people using HTML, CSS, JS, and Python's Flask framework

**Home Lab** - Personal Project

- Learned a tremendous amount about hardware/software setup, network configuration, and automation
- Demonstrate proficiency in self-hosting and hands-on experimentation with a variety of web applications and servers utilizing Docker environments

**Travel Planner App** - SOFT-161 Capstone

- Built a Python application that determines a travel plan with a frontend GUI built from Kivy with a team of three other SOFT-161 students

**Burn Plan Evaluator App** - SOFT-160 Capstone

- Cooperated with a team of three other SOFT-160 students to create a Java application that evaluates a given burn plan utilizing a CLI

## SKILLS

- **Proficient Languages:** Python, Java
- **Intermediate Languages:** Javascript, C
- **Web Development:** HTML/CSS, React, TailwindCSS
- **Database:** SQL
- **Other Technologies:** Git, Docker

## INVOLVEMENT

**University of Nebraska-Lincoln** | Lincoln, NE

September 2021 - April 2022

Robotics Club · *Member*

- Programmed with Arduino IDE to command a robot to perform tasks that meet specific requirements
- Collaborated with a partner to solve problems with the robot by utilizing pair programming skills

