Dane Troia

About Me

As a dedicated Computer Science student, I am eager to apply my programming skills to real-world projects. I am looking to gain hands-on experience and contribute to innovative solutions while furthering my technical and problem-solving skills.

CONTACT

Lincoln/Omaha, NE

(402) 718-1997

danetroia240@gmail.com

Skills

- SOLID Principles, Agile Development
- Machine Learning & AI
- Version Control Systems
- Multiple Programming Languages

- Problem-Solving
- Adaptability
- Teamwork, Communication
- Attention to Detail

Relevant Projects

Online Store App
Fall 2024 / Group Project

- Developed an Amazon-like e-commerce application using .NET framework with SQL database integration. It implemented user authentication, shopping cart functionality, and product categorization features. The front-end was created with Razor pages, connecting them to the back-end. This project utilized iDesign and followed an Agile development process, and was completed for CSCE 361 at the University of Nebraska-Lincoln.

Connections / Unity Game
2024 / Solo Project

- Recreated NYT's "Connections" word puzzle game in the Unity game engine. It implemented core gameplay features such as a word bank, selection/deselection and shuffling mechanics, and a win state. Additionally, there is visual feedback for correct/incorrect guesses and shuffling. This project was completed in under 24 hours as a personal challenge.

Rangefinder / Distance Sensor and Alarm
Spring 2024 / Partner Project

- Developed a C-based microcontroller system that measures object distances with integrated sensors. There is a user-friendly display interface showing real-time measurements and control options, as well as custom error-checking mechanisms to ensure accuracy and reliability. This was submitted as a final project for CSCE 231 at the University of Nebraska-Lincoln

Cab Ride Price Predictor
Spring 2025 / Partner Project

- Created various machine learning models in Python to predict cab ride prices, comparing Simple Linear Regression and K-Nearest Neighbors approaches. We analyzed key metrics (MAE, MSE, RMSE, R Squared) across multiple trials using an 80-20 train-test split, showing that the KNN regression significantly outperformed other models with a 4x improvement in R Squared score (0.496). This was submitted as a project for CSCE478 Machine Learning at the University of Nebraska-Lincoln.

EDUCATION

University of Nebraska at Lincoln
Expected Graduation: 2026
- Studying Computer Science
- Focus in AI & Machine Learning
- Minor in Spanish

Elkhorn North High School / Omaha, NE
Graduated May 2022
- 4-year Honor Roll
- National Honors Society
- 4.0+ GPA

Work Experience

Law Clerk / Dornan Law Team
May 2021 - Present
- Created more efficient case management and readiness for trials
- Developed a reputation for reliability and professionalism
- Frequently entrusted with sensitive information regarding cases

Fulfillment Expert / Target
September 2023 - Present
- Manage order fulfillment processes, improving efficiency and reducing times for orders
- Collaborate with team members to optimize workflow and be more productive

References

Ruth Trimble / Manager
- 402-884-7044
- ruth@dltlawyers.com

Joe Howard / Attorney
- 402-827-4474
- joe@dltlawyers.com

Deana Klein / Attorney
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