TYLER FRISINGER

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EXPERIENCE

Delta Tau Delta Fraternity, Lincoln, NE – Director of Finance
December 2023 – present
- Managed and optimized a $700,000 budget and tracked expenses and income.
- Collaborated with executive leadership to create, plan, and manage budgets for large-scale events, utilizing data-driven decision-making.
- Negotiated contracts with suppliers to maximize benefits for our group, including reducing costs and optimizing terms.

Delta Tau Delta Fraternity, Lincoln, NE – Academic Monitor
December 2023 – December 2024
- Supported academic success by providing mentorship and guidance to fraternity members.
- Organized and facilitated study groups and tutoring sessions.
- Monitored academic performance, identifying members at risk and implementing intervention strategies.

PROJECTS

UNO Biology Marmoset Deep Learning – Python / YOLO
- Designed and implemented a system for automatic analysis of marmoset behaviors using neural networks.
- Utilized DeepLabCut for pose estimation and applied convolutional neural networks (CNNs) to recognize specific behaviors.
- Integrated recurrent neural networks (RNNs) and long short-term memory (LSTM) networks for time-series analysis of behavioral patterns.
- Leveraged transfer learning to adapt pre-trained models, enhancing efficiency and accuracy.

Zulip Open Source – JavaScript / CSS / HTML / Django
- Collaborated with a team following agile development methodologies to design and implement topic reaction in the topic bar of each stream, enhancing user engagement features.
- Developed functionality to display and update reaction counts in real-time, accessible exclusively to signed-in users.
- Contributed to the front-end and back-end integration using Django, HTML, CSS, jQuery, and REST APIs.
- Participated in code reviews and resolved bugs to ensure robust and maintainable code and improved project workflows by leveraging version control and continuous integration practices.

Chess Game – Python / Pygame
- Designed and developed a Player vs. Player chess game with customizable board themes and a restart option, enhancing user experience through interactive gameplay features.
- Leveraged Object-Oriented Programming principles to create modular and reusable classes for chess pieces, the game board, and individual board squares.
- View my code at https://github.com/tylerfrisinger01/ChessApp

EDUCATION

University of Nebraska-Lincoln, Lincoln, NE — Bachelor of Engineering Software, *Math Minor*
2022 –2026 (expected)

SKILLS

React Redux Framework
CSS/HTML
JavaScript
C Programming
Java
SQL database
Python
Django
Agile Project Development
API Integration
GIT
Object Oriented Programming

INVOLVEMENT

Finance team – Delta Tau Delta Fraternity

Academic team – Delta Tau Delta Fraternity

Treasurer – Executive position for Delta Tau Delta Fraternity

Education Program Volunteer- Nebraska History Museum

Fundraising Coordinator - Delta Tau Delta Fraternity for JDRF International