

# Drew Meyer

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## EDUCATION

### The University of Kansas

*Bachelor of Science in Computer Science, Minor in Business*

August 2021 – May 2025

*Lawrence, KS*

- Cumulative GPA: 3.57
- Relevant Coursework: Deep Reinforcement Learning and Embedded Machine Learning (Master's Level)

## EXPERIENCE

### Machine Learning Operations Engineer Intern

ZeroEyes

May 2024 – Present

*Conshohocken, PA (Remote)*

- Developed CLI and GUI tools to compare and visualize learning rate schedulers by simulating neural network training with PyTorch.
- Implemented deep neural network knowledge distillation techniques into the ZE deep learning toolkit to improve model performance.
- Led research on an open-source deep learning tool and assisted in integrating it into the ZE model pipeline.
- Created comprehensive documentation using Sphinx for several versions of the ZE model pipeline.
- Participated in Agile workflows, including daily stand-up meetings and sprint reviews, to ensure alignment with team goals and project timelines.

### KU AI Club President

University of Kansas

August 2024 – Present

*Lawrence, KS*

- Increased club membership by 300% since being elected president.
- Served as a project lead for a reinforcement learning based project with a group of 14 student members.
- Coordinated with professors and industry professionals to give guest presentations about their work in the field of AI/ML.
- Worked closely with the executive team to prioritize club marketing and new member engagement.

### KU Undergraduate Research Fellowship

University of Kansas

January 2024 – Present

*Lawrence, KS*

- Researched novel methods of machine learning in the Construction Industry.
- Presented a survey of machine learning, geofencing and optical character recognition methods to enforce safety procedures and provide augmented awareness for construction crews on site.

## PROJECTS

### MindMend | *Python, PyTorch, Selenium*

April 2024

- Built a full-stack web application using Flask serving a REST API as backend with React as frontend.
- Utilized Python and Selenium to scrape Twitter posts from a user's account.
- Conducted sentiment analysis on the posts using a RoBERTa transformer from huggingface.
- Recommended mental health resources based on the sentiment and content of the post.

### Dog Breed Classifier | *Python, TensorFlow, Node.js, React.js*

February 2024 – April 2024

- Trained a deep neural network to classify dogs of 120 unique breeds with 90% accuracy.
- Deployed the model into a full stack web app using Flask serving a REST API as back-end with React as front-end.

## TECHNICAL SKILLS

**Languages:** Python, C, C++, HTML, CSS, JavaScript, SQL

**Frameworks:** PyTorch, TensorFlow, scikit-learn, Node.js, React.js, FastAPI, Streamlit

**Developer Tools:** Git, GitLab, Docker, Slack, Jira, Google Cloud Platform (GCP), Amazon Web Services (AWS)

**Libraries:** Pandas, NumPy, Matplotlib, PIL, cv2