

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

- President, KU AI Club: Lead group projects, organize guest speaker events with AI/ML industry professionals and KU professors, and facilitate discussions on cutting-edge research in AI.
- President & Founder, KU Professional Development Club: Established the club to provide students with resources and guidance to secure internships and jobs. Organize workshops, networking events, and speaker sessions.
- Relevant Coursework: Deep Reinforcement Learning and Embedded Machine Learning (Master's Level)

EXPERIENCE

Machine Learning Operations Engineer Intern (Fall)

ZeroEyes

August 2024 – Present

Conshohocken, PA (Remote)

- Continuing to support and enhance the deep learning toolkit, with a focus on ongoing research, maintenance, and further development of existing models and tools.
- Participating in Agile workflows, including stand-ups and sprint reviews, to ensure alignment with team goals and project timelines.

Machine Learning Operations Engineer Intern (Summer)

ZeroEyes

May 2024 – August 2024

Conshohocken, PA (Remote)

- Integrated PyTorch learning rate schedulers into the deep learning toolkit, enhancing model training efficiency with CLI and GUI tools.
- Developed and implemented model distillation training techniques, improving model performance.
- Conducted R&D on cutting-edge machine learning models and frameworks, contributing to the innovation of the deep learning ecosystem.
- Created comprehensive documentation using Sphinx for the deep learning toolkit.

KU Undergraduate Research Fellowship

University of Kansas

January 2024 – Present

Lawrence, KS

- Supervised by Dr. Sumaiya Shomaji, conducted joint research with graduate students into 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

- Developed a full-stack web application using Flask serving a REST API as backend with React as frontend.
- Utilized Python and Selenium to use web scraping to pull Twitter posts from a user's account.
- Passed the posts to a RoBERTa model for sentiment analysis, which was used to recommend mental health resources based on the perceived sentiment.

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

February 2024 – April 2024

- Fine-tuned an ImageNet model for multiclass classification to identify dogs of 120 unique breeds with 90% accuracy on the Stanford Dogs Dataset.
- Developed a full stack application by designing a front-end user interface with a back-end server and API endpoint. Integrated the classifier model with TensorFlowJS.
- Made inference on user-uploaded images of dogs to predict dog breeds and display each guess to the user.

TECHNICAL SKILLS

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

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

Developer Tools: Git, Docker, Slack, Google Cloud Platform, VS Code, Visual Studio, Jira, Amazon Web Services

Libraries: pandas, NumPy, Matplotlib, PIL, cv2