JARED KREKELER

CINCINNATI, OH • (513) 800-3476 • krekeljd@mail.uc.edu
LinkedIn | GitHub | jkrek.me(portfolio)

EDUCATION

University of Cincinnati - Cincinnati, Ohio   **Graduating: May 2026**
Bachelor of Science, Computer Science, Minor in Statistics
- Relevant Coursework: Data Science, Artificial Intelligence, Data Structures, Regression Analysis, Linear Algebra

TECHNICAL SKILLS

Programming Languages: Python(Pandas, TensorFlow, OpenCV),C++, SQL, R, React, CSS
Tools: Databricks, PowerBI, Microsoft Azure, Jira, ServiceNow, AutoML, Visual Studio, Git
Machine Learning & AI: regression(linear, logistic), XGBoost, Clustering, Reinforcement Learning

EXPERIENCE

Total Quality Logistics(TQL) | Cincinnati, Ohio   **Jan 2025 – Present**
Data Science & Analytics Intern
- Fine-tuned a fully deployed XGBoost model, improving predictive accuracy for real time pricing rate forecasts
- Utilized Microsoft Azure and Databricks for scalable cloud-based data-processing and report migration
- Automated a process to send brokers a tracking link to monitor their shipments using Python and SQL
- Queried and manipulated large data lakes using SQL to extract insights, optimize reporting, and support data-driven decision making

Experiential Exploration Program | Cincinnati, Ohio   **May 2024–Aug 2024**
Student Intern
- Developed a machine learning model to analyze college football players and predict success in the NFL
- Applied deep learning and machine learning concepts to real-world sports analytics data and presented the website

Tide Dry Cleaners | Liberty Township, Ohio   **Jan 2022– August 2023**
Shift Lead
- Led and trained a team of over 10 employees in job duties and safety procedures
- Provided technical support by installing software updates and resolving software issues in automated machines
- Promptly resolved hardware and software issues in machines, cutting customer wait times in half

PROJECTS

Deep Reinforcement Learning Football Bot | Python, PyTorch, Gymnasium,   **Jun 2025**
- Trained a Deep Q-Network (DQN) on real NFL play-call data to optimize drive-by-drive strategy decisions
- Built a custom Gymnasium environment simulating football gameplay with stateful transitions and scoring logic
- Visualized plays with animated drives, field overlays, and labeled game states to enhance interpretability

MedicalParse | Python, HTML, Flask   **Feb 2024**
- Led development of a health-tech diagnostic platform, integrating the OpenAI and WHO APIs for analysis of symptoms provided by user
- Implemented a user-friendly web interface with Flask, enabling real-time diagnostics and streamlined user experience

ACTIVITIES

Artificial Intelligence Society   **April 2024 – Present**
- Participated in technical workshops and meetings covering the latest advancements in AI
- Engaged in the Microsoft Azure AI bootcamp and MidwestCon, gaining experience in cloud based AI services

Youtube Content Creator   **April 2023 – Present**
- Grew a football analytical channel to 15,000+ views, covering statistics involving college football players
- Garnered skills in video editing and content creation including Final Cut Pro and Da Vinci Resolve

AWARDS & HONORS

Machine Learning Specialization   **Apr 2025**
Packt Quantum Computing   **Mar 2025**
Google Advanced Data Analytics Certification   **Apr 2024**

AVAILABLE FOR CO-OP: SPRING 2026