Kara Deskin

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Summary
Full-Stack Developer Apprentice specializing in React, TypeScript, and Go with a strong foundation in Python, SQL, and applied machine learning.

Education
University of Kansas (KU)   Lawrence, KS
Bachelor of Science in Computer Science, GPA - 3.2/4.0   May 2025
Relevant Coursework - Software Engineering II, Artificial Intelligence, Data Structures and Algorithms, Compiler Construction, Database Systems, Communication Networks, Computer Architecture
Certification - Machine Learning A-Z, Udemy   January 2025

Skills
Web Development - React, TypeScript, JavaScript (ES6+), HTML5, CSS3, Responsive Design, REST APIs, Flask, Streamlit, WordPress, Tailwind CSS
Programming & Data - Python, Go, SQL (PostgreSQL, MySQL), pandas, NumPy, C, C++
Cloud & Tools - Git, Docker, AWS, Azure, Vercel, VS Code, Bash, Linux, macOS, Google Colab, CI/CD

Projects
Reframe - AI Mental Health Chatbot   May 2025 - Present
GitHub - github.com/karadeskin/reframe
- Built an AI chatbot with an interactive Streamlit web interface for journaling and mood tracking
- Integrated sentiment analysis with TextBlob to track mood trends using SQL-based logging
- Designed and deployed a web-accessible application with data processing and visualizations using pandas

Music Recommendation System (PCA + KNN)   September 2024 - Present
GitHub - github.com/karadeskin/Music-Recommendation
- Created a content-based music recommender using Python, pandas, NumPy, SQL, and Spotify feature data
- Applied PCA to reduce dimensionality and KNN for similarity scoring
- Developed a Flask API for song recommendations

Work Experience
Acellus   Kansas City, MO
Full-Stack Developer Apprentice   August 2025 – Present
- Developed and shipped new features for the Acellus Gold Store using React (Vite + TypeScript) for UI components, custom hooks, and state management, and Go APIs for backend logic
- Integrated React Query for efficient data fetching and caching, optimizing REST endpoint usage
- Collaborated with senior developers on debugging, testing, and feature rollouts
- Explored Go concurrency patterns (goroutines, channels) to handle parallel tasks and improve backend performance

KU Wingspan - Center for Learning and Writing Support   Lawrence, KS
Programming, Calculus, and Chemistry Tutor   August 2022 - May 2024
- Tutored over 30 students in Python, Calculus, and Chemistry, improving problem-solving and coding efficiency
- Provided clear, step-by-step technical support and troubleshooting assistance to students
- Developed personalized learning plans, resulting in a 20% improvement in students' test scores

Leadership
WeCode KC - Web Dev and Programming Volunteer   February 2024 - Present
- Provided IT support and web development guidance to 20+ high school students learning HTML, CSS, and JavaScript
- Designed and reviewed student web projects for responsiveness and user experience
- Created a welcoming space that encouraged creativity through web design