Kevin Vulcano
Résumé

+1 (435) 232-4735
Kevin_Vulcano@hotmail.com
https://www.linkedin.com/in/kevin-vulcano-8ab26b256

PROFESSIONAL SUMMARY

Experienced Data Engineer and Software Developer with a proven record in designing robust ETL processes, automating data workflows, and developing innovative solutions for complex data challenges. Adept at cross-functional collaboration and delivering scalable solutions in fast-paced environments.

WORK EXPERIENCE

JUN 2024 – PRESENT (FT)

Horrocks
Data Engineer

Developed and maintained ETL processes and data pipelines for geospatial datasets. Engineered automation tools that streamlined workflows. Created a retrieval-augmented generation (RAG) model and implemented the backend system that supports the RAG model for a web application. Refactored, debugged and optimized a predictive algorithm for pavement deterioration and treatment planning.

FEB 2024 – JUN 2024 (FT)

Horrocks
Junior Software Developer

Transformed raw data into structured formats and developed custom applications for rapid data labeling, supporting deep learning model training and evaluation. Implemented efficient database transfer processes and feature mapping techniques to ensure data integrity. Converted CAD data into GIS-compatible formats.

JAN 2023 – DEC 2023 (FT)

Utah State University
Graduate Teaching Assistant

Provided detailed feedback on student assignments and facilitated learning in React web and Android application development courses.

MAY 2023 – AUG 2023 (FT)

Utah State University
Graduate Research Assistant

Collaborated on research applying Volume Hypersphere Minimization to log anomaly detection. Designed and executed experiments, documented findings, and contributed to academic publications.

APR 2021 – AUG 2022 (PT)

Utah State University
Computer Science Tutor

Offered personalized guidance to enhance student understanding of complex computer science concepts and collaborated on program improvements.

MASTER'S THESIS

"Adversarially Reweighted Sequence Anomaly Detection with Limited Log Data"

Investigated novel deep learning approaches combining Adversarially Reweighted Learning and Deep Support Vector Data Description to overcome generalization challenges in log sequence anomaly detection.

EDUCATION

2023 **Master of Science**
Computer Science
Utah State University

2018 – 2022 **Bachelor of Science**
MAGNA CUM LAUDE
Computer Science
Utah State University

CODING LANGUAGES

BEGINNER	Scheme, Haskell, Raku Prolog, Postscript, Go
INTERMEDIATE	C++, Kotlin, C# LaTeX, SQL, MAL
EXPERT	Python, Java JavaScript, HTML, CSS

TECHNOLOGY & FRAMEWORK

BEGINNER	JUnit, Cypress, Manim
INTERMEDIATE	Django, Docker, Vites, TensorFlow, Sci-Kit, Matplotlib, Seaborn, PostgreSQL, NextJS, Vue
EXPERT	Pandas, NumPy, React, ArcPy, ArcGIS, Git, LaTeX, PyTorch

SKILLS

Goal-Oriented

Efficiently assess diverse perspectives and align actions with strategic objectives to achieve project goals.

Passionate

Consistently driven by a genuine enthusiasm for problem-solving, lifelong learning, and applying emerging technologies to real-world challenges.