JOSHUA ROGERS

Gilroy, CA – <https://www.linkedin.com/in/josh-rogers-rdfi/> – [https://joshrdfi.github.io](https://joshrdfi.github.io/)

**Dynamic Machine Learning and Generative AI Specialist**, with a robust foundation in data management and system administration, prepared to contribute with GenAI technologies in an innovative environment. Proficient in developing and deploying AI-driven solutions, with expertise encompassing machine learning algorithms, GenAI applications, and data analysis. Self-motivated and results-driven: WGU and Udacity coursework completed remotely and early. Ready to apply this knowledge and hands-on experience to challenging projects in the fields of machine learning and artificial intelligence.

**TECHNICAL SKILLS**

* Developed and implemented machine learning algorithms using Python, PyTorch and Scikit-Learn.
* Skilled in data analysis, wrangling, modeling, and visualization using Pandas, Matplotlib, Seaborn, etc.
* Natural ability with text and image Prompt Engineering within ChatGPT / Bing, Dall-E, and local LLMs.
* Development and implementation of GenAI apps using LangChain, RAG, VectorDB, etc. on local LLMs.
* **Content and knowledge base creation using GenAI with models: Llama2, Mistral, Phi-2, etc.**
* Created predictive models using machine learning algorithms – NCF, KNN, SVG.
* **Strong knowledge of relational databases: SQL, data modeling, query tuning, normalization, etc.**
* **Familiarity with cloud infrastructure: AWS, Google Cloud, and Azure.**

**CERTIFICATIONS**

ITIL 4 Foundation 09/2023

CIW Data Analyst 05/2022

CompTIA Project+ 04/2022

CompTIA A+ 07/2020

CompTIA Secure Infrastructure Specialist 07/2020

CompTIA IT Operations Specialist 07/2020

CompTIA Security+ 04/2004

CompTIA Network+ 08/2003

**PROFESSIONAL EXPERIENCE**

**Sr. Technical Project Manager** –*Sphaera, Inc.* | Hillsboro, OR 3/2024 – 5/2025

* Full cycle project planning and execution from RFP to end of project handoff to customer.
* Spearheaded development of GenAI quote and bidding tool.
* Interface with stakeholders and skilled labor to ensure projects meet milestones.
* Align with management to streamline processes which improve customer satisfaction throughout project lifecycle.

**Lead Technician / Programmer** – *Placer Automation* | Citrus Heights, CA 2/2017 – 4/2023

* Automation system design, install, configure, test and programming in high end residential applications.
* Interfaced with stakeholders over project lifecycles to determine needs and implement plan to complete improvements.
* Read and modify blueprints for electrical and communication wiring and termination.
* Electrical and communication system testing and connection to automation systems.

**Data Center Level 3 Technician** –*Solid Personnel* | Pleasanton, CA 8/2016 – 8/2022

* Project lead at multiple sites: managed teams to complete projects on time and within budget
* Experienced in integration of multiple technology stacks to provide clients with a cohesive solution
* Install and maintain servers, switches, and patch panels (ethernet and fiber)

**EDUCATION**

**Bachelor of Science, Data Management and Data Analysis 10/2023**

**Western Governors University**

Capstone Project: Design and implementation of a NCF Neural Network using Python, Pandas, NumPy, Matplotlib, Beautifulsoup4, PyTorch (with CUDA), and Flask to provide movie and series recommendations based on user input

**Data Analyst Nanodegree 05/2023**

**Udacity / Western Governors University**

Relevant Courses: Data Wrangling and Modeling, Data Visualization, R Programming, Supervised and Unsupervised Learning