| L. Elaine Dazzio |
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(719)344-1177 | elaine.dazzio@gmail.com| www.linkedin.com/in/l-elaine-dazzio

# Profile

# Transitioning to an AI/ML Engineering role, leveraging a strong foundation in cloud AI (GCP, Vertex AI, MLOps), Python development, and machine learning. Proven ability to translate unstructured problems into machine learning projects, develop generalizable models, and collaborate with cross-functional teams. Actively enhancing expertise, with the GCP Machine Learning Engineer certification exam scheduled for May 9, 2025. Seeking to apply technical skills and problem-solving abilities to develop and deploy innovative AI/ML solutions.

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# Experience

## Program Manager | Air Force Life Cycle Management Center| february 2008 – Present

* Led the development and deployment of an analytics application for strategic resource management, improving decision-making efficiency by 20% and reducing costs by 50%.
* Developed a small language model from scratch using Python, serving as a platform for further explorations in model development.
* Conducted research in Quantum Key Distribution (QKD), analyzing cryptographic vulnerabilities.
* Designed and led operational security tests for a software system, uncovering and addressing vulnerabilities.
* Spearheaded weapons integration and acquisition for a $3.6B weapons initiative, orchestrating project coordination and aligning strategies with program objectives.
* Led cross-functional teams of up to 21 members, demonstrating collaboration and project management skills.
* Developed and executed roadmaps for complex systems, ensuring compliance and operational readiness.

# Education

## M.S. Computer Science | 2017 | Air Force Institute of Technology

## M.S. Computer Information Systems | 2009 | Boston university

## B.S. Computer and Information Science | 2007 | University of Maryland

# Technical Skills

**Programming & ML:** Python, SQL, LangGraph, Algorithms, LLM Tuning, MLOps, Cloud Native Architecture, Systems Design, TensorFlow, XGBoost, Scikit-learn, GCP, Vertex AI

**Other:** Statistical Analysis, Data Acquisition, Data Cleaning, Exploratory Data Analysis, Feature Engineering, Model Implementation, Model Deployment, Neural Networks, Tree-based Methods, Optimizers, Supervised Learning, Unsupervised Learning