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SELIM CAM

Data Scientist | Applied ML & GenAI Engineer

⬡ PROFILE

Data scientist with 8+ years of experience in tech and defense, and an M.S. in modeling and optimization. I build machine learning and GenAI systems that merge rigorous problem-solving with thoughtful design. My work spans deep learning, NLP, computer vision, and LLM applications—delivering production systems through cross-functional collaboration and strong product intuition.

⊞ EXPERIENCE

Deloitte · Data Science Consultant | GenAI Engineer   Tempe, AZ · Sep 2023 – Present · **2.5 yrs**

- Deployed production GenAI applications—benefits claims assistant, IRS bill analyzer, liquidity platform—using fine-tuned LLMs, RAG pipelines with embeddings, and Flask + React; serving thousands of daily users
- Trained a PyTorch neural network with Gaussian Mixture Models for fraud detection; engineered features across **32M+ records** to flag anomalous claims in production
- Built document classification pipeline using GCP Document AI for IRS W-2 extraction; improved OCR accuracy on degraded scans and edge cases

Verra Mobility · Data Scientist | ML Engineer   Mesa, AZ · Feb 2019 – Aug 2022 · **3.5 yrs**

- Trained pricing optimization models (regression + simulation) to balance customer adoption against financial exposure—drove **$1.2M in annual revenue gains**
- Built XGBoost classifier to predict invoice default risk; enabled targeted interventions, **reducing bad debt by 21%**
- Simulated Ireland toll revenue using tourism and rental car patterns to support executive decision-making on international expansion

Raytheon · Optimization & Systems Engineer | Data Scientist   Tucson, AZ · Mar 2015 – Jan 2019 · **4 yrs**

- Deployed real-time production monitoring system—time series forecasting for lead times and anomaly detection for bottlenecks—adopted across 4+ factories, awarded **"Project of the Year"**
- Built Monte Carlo simulation models in Python to digitize factory value-stream maps; reduced manual planning effort by **500+ hours annually**

Intel · Data Science Intern   Chandler, AZ · May 2013 – Jan 2014 · **8 mo**

- Built demand forecasting (random forest) and optimization (linear programming) models for capital equipment placement—delivered **$1.8M/year in cost reductions**

⚓ PROJECTS

avatūne — Founder · AI portrait platform using fine-tuned diffusion models; full-stack Next.js + Python   avatune.ai

Chirp — Founder · macOS menu bar app for instant audio recording and transcription; native Swift   chirpvoice.com

AlphaSeek — Founder · ML stock selection engine; LightGBM ensembles for alpha signal generation   Private

MugSeat — Founder · Coffee shop finder for remote workers; dual 'coffee first' / 'work first' scoring modes   mugseat.com

TickViz — Founder · Market intelligence platform; heatmaps, health indicators, screener, and news   tickviz.com

MailZero — Founder · Gmail inbox cleaner; groups by sender, surfaces subscriptions, mass unsubscribe   mailzero.io

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🎓 EDUCATION

M.S. Operations Research
Arizona State University · 2014 · GPA 3.7

B.S. Industrial Engineering
Arizona State University · 2012 · GPA 3.4

<> SKILLS

Python, SQL, Pandas, NumPy   **PyTorch**, XGBoost, scikit-learn

Deep Learning, NLP, CV   **LangChain**, RAG, Embeddings

Flask, FastAPI, REST APIs   **GCP**, AWS, Docker, Git

Certs: Udacity Self-Driving Car · Coursera ML · Kaggle ML + CV