

Dustin J. Ober

AI Developer & Technical Instructional Systems Designer

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Chantilly, VA

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SECURITY CLEARANCE: TOP SECRET CLEARANCE WITH SCI AND POLY

PROFESSIONAL PROFILE

A high-performing Technical Instructional Systems Designer and Full Stack Developer with over 20 years of experience spanning military service, federal contracting, and advanced AI development. Expert in bridging the gap between educational strategy and technical implementation, specifically within the defense and intelligence communities. Specialized in NLP, LLM automation (DSPy/LangChain), and data-driven learning analytics.

TECHNICAL PROFICIENCIES

AI & Data Science

TensorFlow, PyTorch, DSPy, LangChain, Custom NER, BERT/Transformers, Vector Search (ChromaDB, Neo4j), Pandas, NumPy, Scikit-Learn.

Software Engineering

Python (Advanced), JavaScript/TypeScript, SQL, FastAPI, Docker, Git, CI/CD, RESTful APIs, JWT Authentication.

Instructional Design & Strategy

Leadership & Management

ADDIE Model, SAM, Articulate 360, Adobe Captivate Specialists, Adult Learning Theory, Job Task Analysis (JTA), Learning Analytics.

Project Management Professional (PMP), Agile/Scrum (CSM), Team Leadership, Technical Curriculum Strategy.

PROFESSIONAL EXPERIENCE

Developer 07/2024 – Present

Leidos - Chantilly, VA

- Engineered custom Named Entity Recognition (NER) models for specialized customer datasets, exceeding industry benchmarks.
- Architected and deployed 30+ machine learning models into production environments using TensorFlow and DSPy pipelines.
- Developed secure, high-concurrency FastAPI microservices with Dockerized deployments.
- Leads internal technical training initiatives, including PMP certification prep and AI workshops.

Instructional Systems Designer 10/2023 – 07/2024

Peraton - Chantilly, VA

- Directed a team of instructional designers supporting complex intelligence mission training.
- Managed a high-priority course portfolio through the full ADDIE lifecycle.
- Improved project delivery timelines by implementing Agile-inspired design sprints.

E-Learning Developer 01/2022 – 10/2023

Leidos - Chantilly, VA

- Pioneered the use of Python for learning analytics, resulting in a 20% increase in training effectiveness metrics.
- Automated cross-platform training data ingestion using custom web scrapers and Python scripts.
- Developed 5 massive-scale web-based training (WBT) modules under aggressive schedules.

Instructional Designer 03/2021 – 12/2021

Tekmasters - Springfield, VA

- Built interactive e-learning solutions using the full Articulate 360 and Adobe suites.
- Conducted deep-dive research into emerging educational technologies for federal adoption.

Training Development Specialist

05/2020 – 03/2021

Tridea Works - Fredericksburg, VA

Instructional Systems Specialist

01/2019 – 05/2020

Drug Enforcement Administration (DEA) - Quantico, VA

Instructor / Course Developer

03/2004 – 08/2014

United States Air Force

- Managed technical training for thousands of personnel with 100% database accuracy.
- Developed simulation-based curricula for high-stakes operational environments.

EDUCATION & ACADEMIC CREDENTIALS

Graduate Certificate: AI Systems Management

2025

Strayer University

Master of Education (M.Ed.): Instructional Design & Technology

Liberty University

Bachelor of Science (B.S.): Management / CIS

Park University

CERTIFICATIONS & TECHNICAL TRAINING

Primary Industry Credentials

- Project Management Professional (PMP) - PMI
- DeepLearning.AI TensorFlow Developer
- Certified Scrum Master (CSM)
- AWS Certified Cloud Practitioner
- IBM Data Science Professional Certificate
- Google Data Analytics Professional Certificate
- Databricks Generative AI Fundamentals
- Adobe Captivate Specialist

Specialized Technical Nanodegrees

- Udacity Deep Reinforcement Learning
- Udacity Natural Language Processing
- Udacity Computer Vision
- Udacity Artificial Intelligence
- Udacity Deep Learning
- Udacity AI Product Manager
- Udacity AI Programming with Python
- Udacity Generative AI
- Udacity Business Intelligence Analytics
- Stanford Machine Learning

PROFESSIONAL AFFILIATIONS & INTERESTS

Interests: Neuro-symbolic AI, LLM fine-tuning, automated intelligent tutoring systems, Olympic Weightlifting, CrossFit.

