

Daniel Anderson

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linkedin.com/in/daniel-anderson-a00151386 | x.com/EsseQuale | Active TS Navy Veteran | METOC

Specialist | AI Reasoning & Prompt Engineer | SE Bootcamp Graduate (March, 2026)

Professional Summary

10-year US Navy veteran with expertise in meteorology & oceanography (METOC) and intelligence, specializing in real-world data analysis, predictive forecasting, and high-stakes pattern recognition for operational success. Transitioned to AI with Software Engineering bootcamp completion and Grok API projects—focused on truth-seeking reasoning and subdomain innovation. Natural aptitude for detecting subtle patterns in ambiguous datasets and translating complex concepts to clear insights.

Professional Experience

Meteorological & Oceanographic (METOC) Analyst / Intelligence Specialist

United States Navy 2014 – 2024

- Led high-stakes global forecasting and data refinement, collaborating with National Hurricane Center (NHC), 53rd Weather Reconnaissance Squadron (Hurricane Hunters), Joint Typhoon Warning Center (JTWC), Naval Oceanography Operations Command (NAVO), National Weather Service (NWS), and Fleet Numerical Meteorology and Oceanography Center (FNMOC); during 3-year tour at USNAVCENT (U.S. Fifth Fleet) in Bahrain (2020–2023), delivered accurate and timely METOC products supporting operational commands in active theater, with insights informing high-visibility international events.
- Provided critical forecasting during Hurricane Michael (2018 Category 5 landfall, panhandle/Mexico Beach devastation) at Hurlburt Field (1st Special Operations Wing), exercising independent judgment as a 22-year-old specialist in an unsupervised capacity—delivered high-impact predictions protecting multimillion-dollar assets and personnel.
- Developed expertise in oceanography and atmospheric science, encompassing space weather, electromagnetic propagation, underwater and atmospheric acoustics, LIDAR applications, ArcGIS geospatial analysis, DTED terrain data integration, and post-mission data analysis of unmanned underwater vehicles (UUVs); mastered model data ingestion, algorithm application, and accurate predictions in data-sparse environments—directly transferable to AI model curation, fallacy detection, and driving innovation in Earth Science disciplines.

Projects

Grok API Reasoning Demo (2026)

- Developed analogy-driven iterative prompter and philosophy reasoning evaluation (Ship of Theseus paradox with real-world extensions), demonstrating truth-seeking depth.
- Earth Science: Separating Fact from Fiction Demo (2026)

- Created accessible explanations of climate and Earth Science misconceptions (media hyperbole, industrialization heat effects, common inquiries translated to household terms)—drawn from real-world experience delivering high-level briefs to operational customers.

Skills

Pattern Recognition • Data Analysis • Prompt Engineering • Python • APIs • Analytical Rigor • Truth-Seeking Reasoning • Oceanography & Atmospheric Forecasting • Git/GitHub

Education & Certifications

Software Engineering Bootcamp Graduate (March 2026)

- Intensive program focused on Python (February 2026), APIs, and full-stack development.

Navy Training & Awards

- Extensive professional training across multiple disciplines (too numerous to list).
- TS Clearance (active)
- References available upon request, including active-duty flag officers.