Jeff Calderon

Python Developer and Data Scientist

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SUMMARY

Detail-oriented and self-motivated professional with strong foundational knowledge in software development, data analysis, and cybersecurity. Possesses expertise in Python, Data Science and Physics. Demonstrates a strong propensity for quick learning, with a track record of applying technical skills to solve complex problems in high-stakes environments. Committed to craftsmanship in coding and a customer-first mentality, ready to bring agility and a growth mindset to a dynamic team. Fluent in modern computing practices with 16+ years secret security clearance holder.

SKILLS AND TECHNOLOGIES

Python - C++ - Linux - AWS - Docker - and Network Security - Git - REST APIs - version control systems - Unit Testing Frameworks - MATLAB - Data Visualization - Visual Studio - Excel - Leadership - Strong interpersonal and communication skills - Analytical thinking with a growth mindset

PROFESSIONAL EXPERIENCE

Commissined Officer *(National Oceanic & Atmospheric Administration)* **Newport, OR** *06/2016 - 05/2023*
- Led hydrographic survey missions, ensuring compliance with international standards.
- Innovated Python-based automations for data processing, enhancing operational efficiency.
- Managed scientific computing systems and sensor networks aboard NOAA Ships

Research Physicist, *(Naval Research Laboratory)* **Washington, DC** *01/2014 - 06/2016*
- Utilized high performance computing to conduct critical studies on radiation detection for border security applications.
- Supported software development to predict active interrogation procedures and passive detection of WMD/radiological devices.
- Influenced a $500K investment from the Domestic Nuclear Detection Office for continued research.

Faculty Assistant Researcher, *(University of Maryalnd College Park)* **College Park, MD** *01/2013 - 04/2015*
- Designed software for data analysis and publication quality plots in particle physics experiments.
- co-authored publications on experiments conducted at the Large Hadron Collider, contributing to scientific knowledge.
- Developed simulations for radiation studies and efficiency quantifications with programming skills in C++ and Python.

Aerospace Ground Equipment Mechanic *(United States Air Force)* **World Wide** *05/2002 - 01/2010*
- Administered equipment databases, supervised maintenance operations, and ensured aircraft data availability.
- Maintained aircraft maintenance records supporting F-16 fighter jets and presented readiness statistics to base leadership.
- Excelled in interpreting technical schematics and delivering precise information.

CERTIFICATIONS AND PUBLICATIONS

- Everett Community College (Expected June 2024) - Cyber Security Analyst
- Journal of Instrumentation (2016) - Liquid Scintillator Tiles for Calorimetry

EDUCATION

AAS Computer Science *Everett Community College* **Everett, WA** *2023-2024*

Relevent Course Work: C++, Cybersecurity and Cloud Computing, LLM

BS Professional Physics *University of Maryland* **College Park, MD** *2011-2015*

Relevent Course Work: Linear Algebra, Calculus, MATLAB and Computational Physics

BS Social Science *University of Maryland World Campus* **Adephi, MD** *2005-2012*

Relevent Course Work: Management, Statistics