

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++ - Ruby - Linux - LaTeX - AWS - Docker - Network Security - Git - REST APIs - Unit Testing Frameworks - MATLAB - Data Visualization - Visual Studio - Excel - Strong interpersonal and communication skills - Leadership - 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 Maryland 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

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

BS Professional Physics [University of Maryland](#)

College Park, MD 2011-2015

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

BS Social Science [University of Maryland World Campus](#)

Adephi, MD 2005-2012

Relevant Course Work: Management, Statistics