

Erika Hooper

ODU Graduate/Software Developer

Contact

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Education

Old Dominion University

Norfolk, VA
Master of Science - MS, Data Science
and Analytics: Artificial Intelligence
and Machine Learning
(2024 - 2027)

Liberty University

Lynchburg, VA
Bachelor's degree, Cybersecurity
(2021 - 2023)

Old Dominion University

Norfolk, VA
Master's degree, Special Education
and Teaching
(2013 - 2015)

University of Wyoming

Laramie, WY
Bachelor's degree, Elementary
Education
(2005 - 2013)

Key Skills

Cybersecurity
Problem-solving
System design
Data management
Critical thinking
Leadership
Collaboration/Teamwork
Learning Python

Objective

I am a software developer currently pursuing a Master's in Data Science and Analytics with a concentration in Artificial Intelligence and Machine Learning. While I am in the process of learning Python, my background in cybersecurity, problem-solving, and full stack development has prepared me to quickly acquire and apply new technical skills. As a Marine, I bring leadership, strategic problem-solving, and the ability to troubleshoot complex issues under pressure. I am eager to contribute to high-impact projects while building my expertise in Python, cybersecurity, and system resilience to protect critical infrastructure.

Experience

Metis

Junior Software Developer
January 2024 - Present (9 months) | Roanoke, VA

- Developed software solutions using Vue, HTML, CSS and Agile methodologies, focusing on system performance and collaborative problem-solving.

Women Cybersecurity Society (WCS2)

Cybersecurity Volunteer
July 2023 – August 2024 | Remote

- Supported cybersecurity initiatives through event planning and website development, emphasizing secure system design and teamwork.

Virginia Public Schools

Special Education Teacher
August 2011 - December 2023

- Led individualized educational programs, demonstrating strong problem-solving and adaptability skills, applicable to developing secure, resilient systems.

IBM

IBM Accelerate: Software Developer Track
May 2022 - August 2022 | Remote

- Enhanced coding logic and collaboration skills through group-based coding challenges and UI/UX design projects, applying these to complex problem-solving in software development.

Lifebridge Child Advocacy

Instructional Designer

November 2021 - August 2022 | Remote

- Developed accessible, user-friendly educational content, applying principles of user-centered design relevant to creating resilient decision-making systems.

Natrona County Schools

Teacher/Substitute Teacher/Assistant

August 2005 - June 2011 | Casper, WY

- Applied technology to enhance learning outcomes, showcasing adaptability and technical problem-solving, which are crucial for operational simulations and risk management.

Aurora Home Healthcare

Medical Biller/Office Assistant

December 2001 - July 2003

- Maintained data accuracy and confidentiality, demonstrating attention to detail and security, critical in handling sensitive information.

United States Marine Corps

Diesel Automotive Mechanic/Shop Supervisor

August 1997 - November 2001 | Camp Lejeune, NC

- Managed cross-functional teams and projects, demonstrating resilience and leadership, key traits for managing mission-critical simulations and systems.

References

Available upon request