

MICHAEL ANDERSON

Neural Network Engineer

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I am a skilled Neural Network Engineer with a focus on cybersecurity, possessing 9 years of experience in developing AI systems to detect and mitigate threats. My work involves implementing deep learning models that analyze network traffic and identify anomalies indicative of cyber threats. I have led projects that enhance the security posture of organizations by reducing false positive rates and improving detection speed.

WORK EXPERIENCE

Neural Network Engineer | SecureNet Solutions

Jan 2022 – Present

- Developed machine learning models for real-time threat detection and response.
- Improved detection accuracy by 45% through optimized neural network architectures.
- Collaborated with security analysts to refine threat detection algorithms.
- Conducted vulnerability assessments and penetration testing to validate model effectiveness.
- Utilized Python and TensorFlow for model development and deployment.
- Presented findings on AI-driven cybersecurity solutions at industry conferences.

Machine Learning Engineer | CyberDefense Corp

Jul 2019 – Dec 2021

- Designed AI systems for anomaly detection in network traffic data.
- Achieved a 30% reduction in false positives through model refinement.
- Worked with cross-functional teams to integrate security solutions into existing infrastructure.
- Automated reporting processes to enhance operational efficiency.
- Conducted workshops for clients on AI security solutions.
- Documented technical specifications and user manuals for security tools.

SKILLS

Machine Learning

Python

TensorFlow

Cybersecurity

Anomaly Detection

Threat Intelligence

EDUCATION

Master of Science in Cybersecurity

2015 – 2019

University of Maryland

ACHIEVEMENTS

- Received 'Best Innovation Award' for AI-driven solutions at SecureNet Solutions.
- Published research on machine learning applications in cybersecurity in reputable journals.
- Secured \$750k in funding for a project focused on threat detection algorithms.

LANGUAGES

English

Spanish

French