Roland Rao

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Summary

Software Developer and AI Researcher with 2 years of experience developing, testing, and refining cybersecurity related deep learning models.
Github – rolandrao

Employment History

Cyber AI Research and Development

Deloitte • Boston, Massachusetts   08/2022 - Present

Researched and developed new Machine Learning techniques to produce cybersecurity infrastructure for clients. Used Graph based deep learning techniques to classify SOC alert data for early detection.

Health Laboratory System Developer Intern

Wadsworth Center • Albany, New York   08/2019 - 01/2020

- Innovated instrument collection python scripts for Wadsworth Center and the NYS Department of Health.
- Created the Public Health Site Test Catalog website. Uses dynamic fuzzy weighted searching and modal views for additional information – https://www.wadsworth.org/test-catalog
- Redesigned Health Commerce System and Clinical Laboratory Information Management System – Severity Level 1 Application for the NYS Department of Heath

Professional Skills

Nvidia Morpheus, Deep Learning, Machine Learning, Computer Vision, Graph Based Neural Networks, Natural Language Processing, Python Programmer, Java Programmer, C++ Programmer

Publications

- [Leveraging Reinforcement Learning in Red Teaming for Advanced Ransomware Attack Simulations](#)
- Fusing Language Models and Graph Grammars to Hunt for Malicious Patterns and Anomalies in Source Code

Education

Computer Science and Computer Systems Engineering Dual Major

Rensselaer Polytechnic Institute • Troy, New York   05/2022

Computer Science Degree with a concentration in Artificial Intelligence and Machine Learning

Associates Degree in Engineering Science

Hudson Valley Community College • Troy, New York   05/2020

Graduated summa cum laude with 4 President's List achievements

Languages

Python, Java, SQL, C++, C