



CyFormer transforms your organization's data, network and cybersecurity systems using real-time artificial intelligence technology.

The scalable solution automates security and learns what is normal in your organization's network and what isn't – allowing it to report anomalies and flag potential breaches before they happen.

CYFORMER'S CAPABILITIES

CyFormer leverages attention-based deep learning transformer technology, devoting greater focus to small yet significant pieces of data. CyFormer's self-supervised model uses machine learning to identify and differentiate between extraneous and pertinent data points in real-time. Combining these techniques with the NLP (Natural Language Processor), CyFormer contextualizes data to detect threats quickly and precisely while generating customizable outputs that enable swift action.

Adaptable, Scalable & Highly Capable

- Detects threats with high accuracy, speed and precision with adjustable sensitivity
- Aggregates customizable scores for Anomaly Reports based on organization-specific needs
- Runs on Graphics Processing Unit (GPU), allowing CyFormer to run several tasks simultaneously while optimizing its processing power
- Integrates seamlessly, strengthening existing cyber security systems
- Adapts continuously to your organization's environment and risk tolerance
- Scales effortlessly, supporting organizations with dozens, hundreds or thousands of users with ease
- Detects threats with high accuracy and precision in less than 60 seconds
- Configures customizable outputs for your unique data needs
- Fits into any network, from cloud-based to traditional to virtual machines

FEATURES

Employs purpose-built ultramodern AI/ML models that analyze data across an organization's network traffic. The analyzed data is then translated through CyFormer's NLP, resulting in an actionable anomaly report.

CyFormer's NLP Toolkit is an NLP (transformers) approach to cyber data sources. Unlabeled cyber data is expressed as text in logs, network packets, background processes and other formats. While most unlabeled cyber data is unsuitable for traditional "supervised" deep learning methods, CyFormer's AI/ML Self-Supervised models combine the speed and accuracy of supervised methods with the flexibility of unsupervised methods to adapt to unknown threats.

CyFormer's AI is built from the ground up for security.



Seamless Network Integration with Zero-trust Framework

Supplementing conventional cybersecurity systems, CyFormer works with traditional cybersecurity methods to ensure maximum protection. It integrates into existing SIEM (Security Information and Event Management) systems, providing alerts in an open format. Employing a zero-trust security framework to bolster SIEM systems, CyFormer assumes no users within the network are implicitly authenticated. Modeling all users in this way helps protect against external and internal threats.

HOW IT WORKS



Analyze
Raw Data



Translate using
NLP Engine



Generate
Anomaly Reports

How Does CyFormer Diverge from Traditional Cybersecurity?

Conventional cybersecurity methods are akin to building walls around an organization's valuable digital assets, hence the term firewall. Once effective on its own, today, this approach suffers from the potential for insider threats to disarm the network perimeter. While such models can guard against known threats through a shared knowledge base, this defense mechanism is effective only if the threat is recognized. This is what differentiates CyFormer. If network behavior is "not normal," CyFormer will flag it as a potential threat.

As corporate networks trend toward a distributed workforce, assets are typically no longer centrally located, requiring a new approach to security. CyFormer's zero-trust methods hone in on security, protecting your data through a holistic combination of modeling, monitoring and enforcement.

Expertise

CyFormer is powered by adept artificial intelligence/machine learning (AI/ML) experts at DCI Solutions. These published and highly cited technology professionals bridge the gap between their on-site lab equipped with top-of-the-line hardware and the real-world applications of their work. The team specializes in bringing algorithms from raw data, identifying signals from the noise of data to achieve results that surpass the limitations of traditional AI/ML.

HANDS-ON SUPPORT

Expert team of artificial intelligence and machine learning specialists

The dedicated cybersecurity expert team provides hands-on support, from initial setup to maximum functionality

Specializing in extrapolating data to surpass traditional limitations



Transform your organization's cybersecurity with CyFormer's advanced data protection.

CERTIFICATES & AWARDS



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*Awarded in
2021 and 2022*

CONTACT

Learn more and speak to an expert today.

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