COMPANY DESCRIPTION

- Solana Networks: Established in 2003, Based in Ottawa
- Products – Network and Security Monitoring Solutions
- Services – Data science, Security and network software Analytics
- Expertise – AI/ML geared for Cybersecurity and Network Analytics
- Technical team size: 15
COLLABORATION: AREAS OF INTEREST

- **Encrypted Traffic Visibility**
  - Machine learning based classification and labeling of network traffic

- **Traffic Anomaly Detection**
  - Machine learning based cyber threat detection

- **Cyber Security Services**
  - ML consulting
  - PoC development
  - SCADA Security
COLLABORATION: PROJECTS OF INTEREST

**Encrypted Traffic Classification:** Traffic classification solutions are widely used by network operators, vendors and law enforcement agencies (LEA) to identify the underlying applications. Since 80% of network traffic is encrypted, accuracy of any traditional solutions such as DPI is significantly reduced. Solana’s TrafficWiz is a machine learning based tool that allows traffic labeling and classification for encrypted traffic with very high (>90%) accuracy.

**Traffic Anomaly Detection:** Cyber threat detection by analysing traffic behavior is an established approach. Solana has extended the technique to automotive sector. The approach uses machine learning and distributed computation so that threats on CAN bus can be detected with high accuracy and very low computation cost.
PARTNERS AND EXPERTISE

Existing Partnerships
General Dynamics, Canada – Development of large scale Automated Cyber Defense Platform
Akimbo Technologies – Anomaly detection solution for automotive

Desired Partnerships
Anyone interested in applying network traffic inspection and machine learning to gain visibility into the network and its traffic - to solve performance issues, detect security threats or gain situational awareness
CONTACT DETAILS

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