

## **C2/C41/CYBER**

### **2020**

#### **Arytic: NextGen AI Predictive Hiring Platform**

Arytic is an Artificial Intelligence Hiring Platform. It is an intelligent match machine removes unconscious bias and measures psychometrics or personalities, assesses skills, job, and team fit to align with the company's culture. It can be tailored for the culture and employment rules of a specific organization, such as the Department of Defense. It will revolutionize the hiring process, ensuring that newly hired DoD civilian talent is highly compatible to support the global warfighting mission of the DoD. Arytic has demonstrated a significant return-on-investment from creating the first-time fit, thereby enhancing retention, and limiting personnel turnover.

#### **Entrap Hunt Tool**

All industries run the risk of falling victim to malware and malicious actors. Entrap offers the ability to record the activity of known malware and create custom rules that respond to application behavior on a system that is malicious before it can cause any damage. This is a key capability and differentiator to other tools that only detect signatures left on a system by malware. Entrap can stop or flag suspicious behavior for closer inspection, allowing for active threat surveillance and mitigation.

#### **Plasticity Disinformation Toolkit**

Plasticity's Disinformation Toolkit helps intelligence analysts find the "needle" in the "haystack" of publicly available information like social media, news, and the dark web. The toolkit improves content searching and automatically flags content that may be disinformation, bot activity, or a coordinated narrative by a state/non-state actor. Intelligence analysts can then analyze or translate content and easily generate aggregate reports to pass up the chain of command. Plasticity's tool helps analysts — who have remained relatively constant in numbers over the years — keep up with the exponentially growing quantity of online content.

#### **Remote Diabetic Foot Drying and Monitoring System**

A common incidence resulting from the number of ailments and co-morbidities associated with diabetes are Diabetic Foot Ulcers and according to the U.S. Department of Veteran Affairs, 24% who served their country have diabetes which is 9% higher than all Americans. The Remote Diabetic Foot Monitoring System (RDFMS) is a patented weight-scale like platform designed to properly blow dry between toes and soles of feet deterring bacterial growth. It has a built-in camera to capture images to facilitate proper foot inspection that is connected to their Primary Care Provider to monitor ongoing prevention, deliver ongoing wound care and evaluate post-surgical care. It replaces the ineffective antiquated way of observing diabetic feet and provides for an earlier medical intervention when warranted. The application is shared with loved ones and forms a team approach to that person's care by involving others to participate in supervising proper diabetic foot care and will manage our Veterans from the comfort of their home concurrently maximizing their quality of life and independence.

#### **Quantum-resistant, end-to-end encrypted email service**

Blinkly is a quantum-resistant (i.e., secure against an attack by a quantum computer), end-to-end encrypted (i.e., prevents third-parties from accessing data) email service that provides the highest level of encryption. Blinkly improves upon the AES-256 encryption, which is endorsed by the NIST as a quantum-resistant protocol, by increasing the algebraic complexity to improve security. Blinkly is a stand-alone platform that can communicate with all other email services. It is accessible via a web browser and can be deployed in the cloud or on-premise.