

## PARTNER COMPANIES ONBOARD RUN 1

1.



### ATTILA CYBERTECH

Attila Cybertech is an Operations Technology (OT) Cybersecurity firm. They secure their clients' critical assets through a holistic approach with a range of solutions from risk assessments to secured network design, firewall selection, configuration and testing for industrial control systems (such as SCADA, DCS, PLC, RTU) as well as various industrial protocols and process control systems.

Cyber threats are continually evolving. Attila strongly believes that innovation is one of the strategies to mitigate these threats. They seek innovation through internal and external collaboration by sharing ideas, concepts and domain knowledge. In collaboration with their customers, Institutions of Higher Learning (IHL) and Technology Partners, they push the boundaries of cyber technology to develop the most resilient policies and protections for their control systems and operational technology assets.

#### **Project: Operational Technology Cyber Security**

As a Trainee, you will join our Cyber Security Team to develop and review security policies and implement real-life cyber security solutions for our clients in the operational technology arena. You will also be involved in system hardening, penetration testing, product development and technical reviews of cybersecurity solutions, servers, network devices etc.

2.



Cloudsine is an up-and-coming cloud and Cybersecurity technology company headquartered in Singapore that provides consulting services to help customers adopt, secure and innovate in the public cloud such as AWS, Azure or Google Cloud. Also, they have a unique cloud security product, WebOrion® - it uses patent-pending technologies to provide their clients with a unique set of counter measures against web hackings including defacements, ransomware, DDOS, Blackhat SEOs, etc. Its flagship cloud software, WebOrion®, is used by large enterprises such as Banks, Government, Telcos, and Large Forbes Global 2000 companies spread across Asia such as Australia, Indonesia, India, Philippines, Hong Kong and Singapore.

#### **Project: DevSecOps Engineer- Security Operations, Compliance and Engineering (Project STAR)**

As a Trainee, you will be working on Project Star - a cloud security project that aims to attain a recognised cloud certification as a SaaS provider. The Trainee will hone their skills in security technologies e.g. encryption, access control and strong cloud security knowledge.

3.  InsiderSecurity

Founded in 2015, InsiderSecurity is an award-winning, homegrown Deep Tech company in Cybersecurity analytics where government and large enterprises are using their products today. They catch cyber threats that firewalls or antivirus misses. Their technology is the first to be accredited by IMDA in User and Entity Behaviour Analytics. Their team is included in the ASEAN 40 Under 40 List for their innovative Cybersecurity work and awardee on CSA Cybersecurity Innovation Day 2020, not just one but two categories. Led by cyber warfare experts, they are solving big problems and building the future of Cybersecurity.

**Project: Cybersecurity Product Development**

As a Trainee, you will develop Cybersecurity products that detect and stop sophisticated threats such as the recent SolarWinds attackers.

4. 

OCEANIA ROBOTICS

Oceania Robotics is a Singapore based Robotics company that manufactures pioneering autonomous Robotics solutions in the niche area of pest maintenance, ship maintenance and façade inspection. With a comprehensive product roadmap and an expert team of robot developers, the company delivers products and services that target pest control, inspection, cleaning, painting and paint stripping of the ship hull. With a full suite of Robotics platforms, Oceania Robotics brings several first of its kind autonomous and modular capabilities, significantly improving productivity, efficiency and safety.

Having established strong partnerships with pest control companies, local shipyards, maintenance contractors, universities, and support from governmental agencies, Oceania Robotics is very well positioned to be a global front runner in these newly emerging industries.

**Project: Dragonfly**

Dragonfly is the world's first autonomous mosquito trap and kill robot that can easily deploy in various settings. Equipped with a full suite of high performance mosquito control features, our robots offer effective protection against mosquito bites, risk of dengue and other diseases. Dragonfly will be operating in a public environment. It is operated autonomously or via remote control. As such, the software for the robot may be susceptible to cyber attack and it is important to ensure the security of its software layer.

As a Trainee, you will help ensure the robot's security from identification and authentication control, use control, system integrity, data encryption, and control access to data of the robot.

5.   
Governance and Information Security Partners

Privasec is an independent Cybersecurity consulting firm that has been operating for more than 6 years. They have offices located in 6 different cities - Australia and Singapore with a growing presence in South East Asia.

They offer Cybersecurity services ranging from Offensive Security to Strategy, Governance, Risk and Compliance services - including ISO27001 implementation and adoption of other International Standards for our clients. They are also ISO27001 certified, CREST Accredited and a PCI QSA company. They are a registered Services supplier for both the Singapore Government as well as the Australian Government.

**Project 1: Offensive Security Assessments**

As a Trainee, you will aid the different teams: Strategy, Governance, Risk and Compliance, Offensive Security and Drone Security. You will be helping these teams build capabilities and educating the market around Privasec's Privacy, Cloud Security Architecture and Drone Security work. You will also be working on certification, compliance and penetration testing engagements.

**Project 2: Governance, Risk and Compliance Assessments**

As a Trainee, you will be exposed to a wide breadth of Cybersecurity controls and frameworks and assess them against various industries. This may include Risk Assessment, Gap Analysis and Security Hygiene Check, based on industrial standards and frameworks such as ISO27001, MAS TRM and NIST Cybersecurity Framework.

6.



**SCANTIST**

Scantist was founded in 2016 by Nanyang Technology University's Prof. Liu Yang and Prof. Srikanthan after their state-of-the-art research yielded the discovery of vulnerabilities in popular commercial and open-source applications recognised via bug-bounties from Apple and Adobe. Scantist's objective is simple, to translate cutting-edge Cybersecurity research into viable, easy-to-use tools and solutions so that security becomes an enabler – and not a hurdle – in an increasingly technology-dependent world.

**Project: Data-Driven Application Security**

Scantist was awarded the Cyber Security Agency Innovation Award 2020. As a part of the award, Scantist is conducting a large-scale commercial POC with an industry leading demand driver to automatically detect malicious code and vulnerabilities in software applications at source code and binary level with actionable remediation and reports. As a Trainee, you will be combining AI-based techniques with traditional program analysis to create a scalable and extensible malicious code/vulnerability identification framework.

7.



Speardome was established as a Singapore base Centre of Excellence (C.O.E.) by a world leader defence corporation, to focus on top-notch cyber Artificial Intelligence R&D aligned with Singapore's national cyber & data science strategic development. Speardome focuses on creating innovative solutions and local talent development.

**Project: System Hardening Methodology Documentation**

As a Trainee, you will help work on a green-field Big Data platform that will be utilised to monitor, protect and mitigate cyber threats to critical assets and infrastructures.

8.



Specialising in mobile security and cryptography, V-Key provides a seamless user experience to enterprises – to enhance and simplify their mobile applications' security. Through in-depth research on mobile threats, V-Key has developed an award-winning and patented technology with V-OS (This is deployed by top banks, mobile payment providers, and governments to secure software solutions and protect millions globally).

Their solutions can be easily incorporated into existing mobile applications, making them threat-aware and self-defending against malicious attacks.

**Project: Research on Mobile Security Attacks and Defences**

As a Trainee, you will be helping V-Key enable new generation technology by providing the Cybersecurity infrastructure for banking, government and smart homes, among many others. You will also be working on securing digital transactions.