Anthony Tam

B.Eng.Mgt

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Toronto, Canada

Summary

- **Software:** Python, Bash, JavaScript, HTML, CSS, VBA, C/C++
- **Infrastructure:** AWS, GCP, VMWare, Docker
- **Frameworks:** ReactJS, NodeJS, Metasploit
- **Other:** Git, Unix, Kali Linux, Cisco IOS/NX-OS

Experience

Darktrace
Toronto, Canada/Remote

Cyber Security Analyst/Developer
Nov 2018 – Present

A cyber security company, using artificial intelligence and machine learning to anomalously detect and respond to threats and incidents.

- Lead Canadian analyst, supporting strategic accounts with technical expertise in pre and post-sale customer cycle.
- Developed and maintained the Python Darktrace API library, greatly simplifying the use of the Darktrace REST API.
- Model Development Team: Created and refined threat models (network, cloud and SaaS), improving detections and alert accuracy using custom analytics with CI/CD and experimental testing tools.
- Performed weekly/bi-weekly/monthly threat hunting exercises on client networks, creating threat intel reports for customers.
- Identified over 50 new IOCs for the internal threat intel database from research activities on customer networks.
- Presented at customer-facing events, providing knowledge and expertise of the Darktrace product to existing clients.

Cyber Security Engineer
Sep 2017 – Oct 2018

- Managed Darktrace enterprise integrations for customers across virtual, cloud, and ICS/SCADA environments.
- Developed an SSH management tool, improving workflow speed and operational security for internal technology teams.
- Traveled weekly to lead onsite technical integrations with the customer security teams, managers and executives.
- Wrote technical documentation for virtual and cloud deployments for internal and customer training.
- Contributed to over 30% growth of the Canadian customer base from proof-of-value customer trials in one year.

Zebra Technologies
Mississauga, Canada

Category Management Analyst
May 2016 – Aug 2016

NSDQ: ZBRA, creator of tracking technology solutions to provide companies with real-time visibility into their products, assets and people.

- Led RFQ/RFP exercise with key vendors to consolidate and reduce cost on tail-spend semiconductor components.
- Created a dynamic Excel/VBA dashboard to automate monthly analysis and reports of vendor operational and financial risk.
- Trained pricing teams to utilize newly developed tools to improve their workflow and the quality of monthly reports.

Education

McMaster University
Hamilton, Canada

B.Eng.Mgt, Bachelor of Mechanical Engineering and Management Option
Sep 2012 – Apr 2017

- Five-year program incorporating mechanical engineering with core business modules and multi-disciplinary projects.
- Received McMaster Engineering Student Mobility Award for International Experience in 2015.

Nanyang Technological University
Singapore, Singapore

Study Abroad, Engineering, Management and Design
Aug 2014 – May 2015

- Study abroad for one year while acting as an ambassador for McMaster and exploring cultures across South East Asia.

Projects

Mechanical Tracking for Arthroscopic Surgery
Sep 2016 – Apr 2017

- Created a 6 DOF robotic arm assisted surgical training system with real-time visualization and position tracking with 0.1mm accuracy, to reduce the health risks experienced by surgical residents in training from increased radiation exposure.
- Led product development, team meetings, documentation guidelines, mechatronic design and software development.

Smart Bike Rack, Ideas Inc. Hackathon, Singapore
Mar 2015

- Won 3rd place among 30 teams for a bike-share app and smart bike rack, using an NFC locking system, for smart cities.