

Anthony Tam

B.Eng.Mgt, Bachelor of Engineering and Management

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Summary

- Python, Bash, HTML/CSS/Javascript, VBA, Matlab
- Gitlab/Github, Visual Studio Team Services (VSTS)
- VMWare ESXi, AWS EC2/VPC/S3, GCP
- Data modeling and analysis
- Systems design/engineering
- Computer and network security

Experience

Darktrace

Cyber Security Engineer

Toronto, Ontario, Canada

Sep 2017 – Present

A cyber security machine learning start-up, using artificial intelligence to instantly detect and respond to threats and incidents.

- Managed operations and integrations of Darktrace deployments across IT networks and virtual/cloud/ICS environments, resulting in over 30% growth of Canadian client base.
- Traveled weekly to lead onsite technical integrations with client IT/security teams, directors and executives.
- Designed custom integrations for companies of varying sizes, infrastructure, and technologies (ex. FW, SIEM, IDS/IPS, Cloud).
- Developed a Python package to improve integration of the Darktrace REST API for custom analysis and reporting.
- Created an internal SSH management tool for global technology team to streamline workflow by over 80%.
- Customized threat detection models and performed ad-hoc investigations of immediate high-priority incidents.
- Wrote technical and product related documentation for the Darktrace Customer Portal.

Zebra Technologies

Category Analyst, Electrical and Semiconductor

Mississauga, Ontario, Canada

May 2016 – Aug. 2016

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

- Led RFQ/RFP exercise with major distributors to negotiate US \$70 million in tail-spend for cost optimization.
- Created a dynamic Excel dashboard to automate and improve reporting of financial and operational KPI of suppliers.
- Developed VBA macros to automate extract, transform and load (ETL) of pricing data for total cost analysis.
- Trained global teams in Malaysia and US to utilize developed tools to improve workflow and report quality.

Education

McMaster University

Bachelor of Mechanical Engineering and Management, B.Eng.Mgt

Hamilton, Ontario, Canada

2012 – 2017

- International Student Advisor/Mentor for International Student Services.
- Received Engineering Student Mobility Award for International Experience in 2015.

Nanyang Technological University

Exchange Student, Engineering

Singapore, Singapore

2014 – 2015

- Study abroad for 10 months while acting as an ambassador for McMaster University in Singapore.

Projects

Mechanical Tracking for Arthroscopic Surgery

Sep. 2016 – Apr. 2017

- Led team to design and build a robotic arm assisted surgical system with real-time visualization and 3D position tracking of a surgical end-effector to millimetre accuracy.
- Managed product development, timelines, engineering documentation and reporting, mechanical and software development.

Engineering Management Capstone

Sep. 2016 – Dec. 2016

- Worked with an energy consulting firm to create business development proposals, product specifications, and project timelines for creation of an energy monitoring product for greenhouse farms based on time and resource considerations.

Smart Bike Rack (Idea's Inc. Startathon, Singapore)

Apr. 2015

- 3rd place among 30 international teams for a bike-share mobile application using a proprietary smart bike rack with an NFC locking mechanism.