

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 (VSTS), Agile
- 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 company, using artificial intelligence to immediately detect and respond to threats and incidents.

Security Consulting

- Managed Canadian operations and integrations of deployments across IT networks, virtual, cloud and ICS environments.
- Designed custom integrations for companies of varying sizes, infrastructure, and technologies.
- Technical advisor to clients and account executives resulting in over CAD \$4 million in new contracts.
- Contributed to 30% growth of Canadian client-base.

Technical Work

- Created a Python library to simplify and improve utilization of the Darktrace REST API for analysis and reporting.
- Developed an internal SSH management tool for global technology teams to improve workflow by over 80%.
- Customized threat detection models and performed ad-hoc investigations of security incidents for client.
- Wrote technical documentation and related materials on Darktrace products for the Darktrace Customer Portal.

Zebra Technologies, Electrical & Semiconductor Group

Category Analyst

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 exercise with key distributors to consolidate over US \$70 million for tail-spend 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.

Selected 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, and mechatronic integration.

Management Consulting 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.