

Anthony Tam

B.Eng.Mgt, Bachelor of Engineering and Management

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Summary

- Python, Bash, HTML, CSS, JS (React, Node), VBA, Matlab
- Git, Visual Studio (VSTS), Vim
- Linux, VMWare, AWS (EC2, VPC), GCP
- Systems design and engineering
- Computer and network security
- Client Management

Experience

Darktrace

Cyber Security Engineer

Sep 2017 – Present

Toronto, Ontario

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

Security Consulting

- Managed operations and integrations of deploying Darktrace across client networks, virtual, cloud and ICS environments.
- Technical advisor to clients and account executives for pre-sale deployments, resulting in CAD \$3.7+ million in new contracts.
- Customized threat detection models and performed ad-hoc investigations of security breaches on client networks.
- Designed custom integrations for companies of varying sizes, infrastructure, and technologies.
- Created technical documentation materials on Darktrace products for global customers and internal teams.

Software Development

- Developed a Python package to improve integration of the Darktrace API into client's solutions for analysis and reporting.
- Developed an internal SSH management tool for global teams to improve workflow by over 50%.

Zebra Technologies

Category Analyst

May 2016 – Aug. 2016

Mississauga, Ontario

(ZBRA): 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 analysis and reporting of financial and operational KPI of suppliers.
- Developed VBA macros to automate ETL of pricing data for total cost analysis of RFP data.
- Trained global teams in Malaysia and US to utilize the custom tools to streamline their analysis workflow.

Education

McMaster University

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

Sep. 2012 – Apr. 2017

Hamilton, Ontario

- Multi-disciplinary five-year program of engineering design, business, and general management.
- Engineering Student Mobility Award for International Experience (2015).

Nanyang Technological University

Study Abroad, Engineering, Design and Business

Aug. 2014 – May 2015

Singapore, Singapore

- 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 one millimeter accuracy.
- Managed product development, timelines, engineering documentation and reporting, and mechatronic integration.

Management Consulting Capstone

Sep. 2016 – Dec. 2016

- Worked closely with an energy consulting firm to create business development proposals, product specifications, and project timelines for 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 prototype of a city bike sharing Android app using a proprietary smart bike rack with an NFC locking mechanism.