




# Anthony Tam

B.Eng.Mgt

<https://anthonyt.ca>   
tam.anthonywh@gmail.com   
Toronto, Canada 

## Summary

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- **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

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### 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-sale proof-of-value trials.
- Developed and maintained the Python Darktrace API library, greatly simplifying the use of the Darktrace REST API.
- Created and improved threat models, increasing detection capability and accuracy using CI/CD and experimental testing.
- 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.

### 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.
- Created 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.

### 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

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### 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

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### 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 3<sup>rd</sup> place among 30 teams for a bike-share app and smart bike rack, using an NFC locking system, for smart cities.