

# Anthony Tam

(647) 786 8248

hello@anthonyt.ca

Toronto, Canada

## Experience

---

### Darktrace

Toronto, Canada/Remote

#### Lead Model Developer

May 2020 – Present

- Research and developed machine learning models to detect adversary activity in the cloud, SaaS and network.
- Develop and maintained analytical tools used to identify trends and malicious activity in global breach data.
- Maintain over 900 models, improving fidelity of detections and reducing false positive/negative hits by over 30%.
- Researched classification methods to detect DNS Tunnelling hostnames with 98% ROC accuracy/F1 score.
- Simulate and tested malware/attack tools in cloud/network environments to improve detection capabilities.
- Trained internal teams and support key customers with model optimization, development, tuning and training.

#### Cyber Security Analyst

Nov 2018 – Apr 2020

- Lead Security Analyst and Subject Matter Expert to support strategic customers in North America.
- Performed threat hunting exercises in client environments, creating custom threat reports with detailed analysis.
- Maintainer of the Darktrace Python library, a simplified python wrapper for the Darktrace REST API.
- Identified over hundreds of IOCs for the internal threat intel database from threat hunting exercises and research.

#### Cyber Security Engineer

Sep 2017 – Oct 2018

- Managed integrations of Darktrace products across Canada for network, virtual, and cloud environments.
- Traveled weekly to lead onsite technical integrations with security engineers, managers and executives.
- Developed internal SSH CLI tool to improve workflow, speed and security of accessing internal resources.
- 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, Intern

May 2016 – Aug 2016

- Led RFQ/RFP exercise with key vendors to reduce cost on tail-spend semiconductor components.
- Created an Excel VBA dashboard to automate monthly reporting of vendor operational and financial risk.

## Education

---

### McMaster University

Hamilton, Canada

#### B.Eng.Mgt – Bachelor of Mechanical Engineering and Management

Sep 2012 – Apr 2017

- Five-year program incorporating engineering, business management, and multi-disciplinary projects.

### Nanyang Technological University

Singapore, Singapore

#### International Exchange Program

Aug 2014 – May 2015

- Study abroad for one year, integrating with the local culture and exploring many cultures across South East Asia.

## Tech Skills

---

- **Software:** Python, SQL, JavaScript, TypeScript
- **Frameworks:** TensorFlow, Scikit-learn, Pandas, Seaborn, Flask, NodeJS, ReactJS, AngularJS
- **Tools/Infrastructure:** Git, Docker, Amazon Web Services (AWS), Redis, PostgreSQL, Linux, Kali Linux