Anthony Tam

Software Developer · Cyber Security & Data Science · Engineering and Management

📱 *<-redacted->* | 👤 anthonyt.ca | ✉ hello@anthonyt.ca | 📍 Toronto, Canada

Summary

- **Software:** Python, JavaScript, TypeScript, HTML, CSS
- **Frameworks:** TensorFlow, Pandas, Flask, Node, React, Angular
- **Tools/Infrastructure:** Git, Docker, AWS, Redis, PostgreSQL, Linux/Kali Linux

Experience

Darktrace
Toronto, ON/Remote

Lead Model Developer *May 2020 – Present*

- Lead research and development of models to detect adversary activity in the cloud, SaaS and network.
- Led the model development for major product feature releases for cloud and SaaS products.
- Develop custom data analysis tools for the model development team to analyze global model breach data (Full Stack).
- Analyze global breach data to improve the fidelity of Darktrace models, reducing false positive rates by 20% on average.
- Support key global customers with model optimization, development, tuning and training.

Cyber Security Analyst *Nov 2018 – Apr 2020*

- Lead cyber security analyst and subject matter expert for North American strategic accounts.
- Maintainer of the Darktrace Python library, a simplified python wrapper for the Darktrace REST API.
- Performed threat hunting exercises in client environments, creating custom threat reports with detailed analysis.
- Identified over 100 IOCs for the internal threat intel database from threat hunting exercises and research activities.

Cyber Security Engineer *Sep 2017 – Oct 2018*

- Managed customer integrations of Darktrace products in Canada for network, virtual, cloud, and ICS environments.
- Traveled weekly to lead onsite technical integrations with security engineers, managers and executives.
- Developed internal SSH CLI tool to improve workflow, speed and operational 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, ON

Category Management Analyst Co-op *May 2016 – Aug 2016*

- 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.

Education

McMaster University
Hamilton, ON

B.Eng.Mgt, Bachelor of Engineering and Management *Sep 2012 – Apr 2017*

- Five-year program incorporating mechanical engineering major, business minor, and multi-disciplinary projects.

Nanyang Technological University
Singapore, SG

Study Abroad *Aug 2014 – May 2015*

- Study abroad for one year while acting as an ambassador for McMaster and exploring cultures across South East Asia.

Projects

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 from radiation exposure to surgical residents in training.
- Led product development, mechatronic design, electrical/software integration.