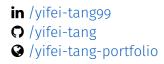


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#### **Amazon Web Services**

Software Engineer II - Amazon MQ

June 2021 – Present

- > Built an MQ broker auto-healing engine with AWS services that eliminated 90 high severity tickets a year
- > Led the migration of the MQ AWS console from Angular to React: wrote UI, infrastructure and test code
- > Led the MQ broker creation cancellation project, eliminating 100 customer CloudFormation failures a year
- > Ensured operational excellence by resolving alarms, root causing and identifying prevention strategies
- > Trained and interviewed new SDEs, mentored 2 interns who worked on developer productivity features

#### **Amazon Web Services**

Software Engineer Intern - Amazon MQ

May 2020 - Aug 2020

- > Designed the architecture and functionality of a tool to quantify and reduce operator SSH usage
- > Deployed a Python package, integrated with AWS services including Cloudwatch, RDS, S3, CloudFormation
- > Wrote unit and integration tests, demoed product to the team and contributed to the team's wiki

### **National University of Singapore**

Machine Learning Research Intern

May 2019 - July 2019

- > Developed an application with a PyQt GUI to classify medication from live webcam video
- > Used OpenCV to identify pills from a screen and K-Means clustering with Scikit-Learn to extract HSV value
- > Additionally trained a CNN built with TensorFlow to recognize 6 pills, achieving 97% accuracy on test set

# **△** Projects/Competitions

Amazon MQ Hackathon 2022 - Winner - Added support for optimized EC2 instances, reducing costs by 50%

UofTHacks 2020 - Finalist - A website using ML to recommend environmentally friendly outfits - React, Python

Hack the North 2019 - Winner - An app providing students with financial and environmental shopping advice

Cineyet - Personal Project - A social media app for cinephiles - Android Studio, Firebase, Java, IMDB API

# **Education**

### **University of Toronto, St. George Campus**

BASc Computer Engineering – GPA: 3.57/4 – Dean's Honour List x3

2017 - 2021

**Activities:** Director - UTEK Coding Competition, VP - Engineers Without Borders, Autonomous Rover Computer Vision Engineer, Lifeguard/First Aid Instructor

# **♥** Skills

Languages: Python, Java, JavaScript, TypeScript, C, C++, Ruby, SQL

**Technologies:** AWS, Message Queues, Docker, ReactJS, Android SDK, TensorFlow, OpenCV, PyTorch