

# YI MING TAN

Cork, Ireland · ymtan.2062@gmail.com · www.tanyiming.com

## WORK EXPERIENCE

### Qualcomm

*Software Engineer Intern*

Cork, Ireland

Jan 2022 - Sep 2022

- Helped the team rebuild the CLI of the application using Argparse. Built and enhanced more than 10 APIs for the application that are highly requested by the clients. Developed a script to categorize all 100+ APIs in the help section of the CLI.
- Optimized and improved the speed of one of the most frequently used APIs by 13,800% by reimplementing it with SQLAlchemy.
- Defined and wrote detailed and robust Unit Tests by analyzing functional requirements. Always made sure test coverage is at least 90% on average.
- Set up Sphinx documentation for the project. Proposed reStructuredText as the standard format for all docstrings in the codebase. Now, the team is following the best practices of code documentation.
- Took part in all phases of Agile development as well as requirements elicitation meetings. Product was delivered to the customers in an incremental and timely manner.

### Qualcomm

*Software Engineer Intern*

Cork, Ireland

Jul 2021 - Sep 2021

- Proposed a new streamlined software release process and workflow on GitHub for software engineers in the global infrastructure team. This is now adopted by 90% of all the engineering teams.
- Developed and tested a Python automation tool for a team of more than 60 software engineers to facilitate their software app release processes.

### Neptrix

*Software Engineer Intern*

Penang, Malaysia

May 2020 - Aug 2020

- Redesigned and rebuilt the User Interface of the of infohub 4.0 framework.
- Led the front-end design and implementation of the landing page, dashboard page, statistical charts, announcement board and a shortcuts tab which all have been highly requested by 60% of our clients.
- Took part in on-site monthly requirements elicitation meetings.

## EDUCATION

### Munster Technological University

BSc Honours Software Development *GPA: 90.35*

Cork, Ireland

Sep 2019 - Jun 2023

## PROJECTS

### Medi-App *Java, Firebase, React, Solidity, Python*

A medical app for both patients and doctors. Patients can get risks of several disease based on their medical data through the Android app. Doctors manage their patients' data via the React web app. The risks are retrieved from custom built machine learning model APIs hosted on Heroku. Patients can make payments with our custom cryptocurrency token - MediToken(MDT). Received 95% for the project.

### Covid-Tracker *NodeJS, Express, Bootstrap*

<https://covidtracker-4zju.onrender.com/>

Tracks the current impact of the coronavirus pandemic and its spread throughout the world. Implemented a live map feature to view the world data at a glance. Data from Worldmeters, updated every 10 minutes.

### Tweets-Sentiment-Analyzer *Flask, Twitter API*

<https://tweets-sentiment-analyzer.onrender.com/>

An online tool where you can analyze the sentiment of any public Tweet on Twitter.

## AWARDS

### Valentine's Day Hackathon

Scored 92% and ranked 3rd overall.

MTU Cork

Feb 2021

### The Lee Fields Medal Maths Competition

Scored 86% and ranked 2nd overall and also received Best First Year award.

MTU Cork

Oct 2019

## ABOUT ME

Technical Skills:	Python, Java, JavaScript, C#, SQL, Unix/Linux
Technologies:	Git, Sphinx, unittest, SQLAlchemy
Tools:	GitHub, Confluence, Jira, Bitbucket
Methodologies:	Test Driven Development, Agile
Interests:	Chess, Cycling, Guitar, Fitness