TONY KWOK

tnrzk13@gmail.com
github.com/tnrzk13
linkedin.com/in/tony-k-kwok

💼 WORK EXPERIENCE

Innovation Catalyst Intern
Nuclear Promise X (Jan – Apr 21)
- Designed and implemented database schema for data integrity using MySQL, preventing future data conflicts costing the development team over a day in restructuring
- Created automated data reports using MS Power BI and MS Power Automate, reducing future data reporting time down to zero
- Developed project App UI standards in MS PowerApps increasing future app development efficiency by over 20%

Full Stack Developer
360insights (Jan – Apr 20)
- Created API to test and display availability of different internal services using NodeJS and React, reducing debugging time by 10 minutes
- Developed React components and maintained front-end architecture, clearing the backlog
- Wrote and maintained tests in Jest, increasing efficiency by over 5%

Database Specialist
Speakfeel (May – Aug 19)
- Created python scripts to scrape data and cleaned data using pandas and MySQL, allowing the project machine learning model prediction accuracy to rise above 75%
- Created a Markov chain for data description using python

Business Application Developer
Marsh (Aug – Dec 18)
- Pitched, designed, and developed an app for daily extraction, population, and distribution of data tables using SQL, VBA, and MS Access in order to automate 1hr of reporting time daily

📇 PROJECTS

SoulDog
Javascript, KnexJS, Bootstrap, SQL
https://github.com/aarshio/SoulDog-CS348
https://souldog.herokuapp.com/
- Designed and created UI, data schema, and scripts to generate sample data
- Chosen as best project for CS348, and featured for future classes

Wumpus World
Python
CS486
- Implemented different reinforcement learning techniques (Q-learning, SARSA along with greedy, softmax, and optimistic) to explore runtime differences between them

🎓 EDUCATION

Bachelor of Computing and Financial Management
University of Waterloo (Dec 21)
- Introduction to Artificial Intelligence
- Introduction to Database Management
- User Experience
- Algorithms

🧪 SKILLS

Python, C, C++, JavaScript, R, VBA, SQL, HTML, CSS, Bash

React, NodeJS, Vue, Svelte, Docker, Flask, Django, Pandas, Azure, Tensorflow, Git

Aglie Development

🏆 COMPETITIONS

Microsoft Discover Azure – 4th Place
Microsoft Azure, JavaScript

🏅 AWARDS

Canadian Track and Field Usport Nationals (Mar 18)
12th place in 4x800m

👥 CLUBS

Vice President Finance
Arts Student Union (Jan 17 – Aug 18)
Oversaw financial transactions for $30,000 of student funding