

# TONY KWOK

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## Education

University of Waterloo

Sept 2016 – Dec 2021

Bachelor of Computing and Financial Management

• **Courses:** OOP in C++, Compilers, Algorithms, Data Structures, User Interfaces, Artificial Intelligence

## Skills

Languages: C++, Python, Javascript, SQL, R

Technologies: React.js, Node.js, MySQL, Pandas, Bash, Git, Docker, Svelte.js, GCP, MS Power Apps, MS Power BI, MS Power Automate

## Professional Experience

### Nuclear Promise X

Remote

Innovation Catalyst Intern – Modernization Team

Jan 2021 – Apr 2021

- Redesigned database schema to solve and prevent future data conflicts
- Automated data reports to **reduce data reporting time to zero**, using Power BI and Power Automate
- Developed UI standards and component library in Power Apps to **increase app development efficiency by >20%**

### 360 Insights

Whitby, ON + Remote

Full Stack Developer

Jan 2020 – Apr 2020

- Created API to test availability of internal services using Node.js, **reducing debugging time by 10 mins**
- Developed React.js components for client sales portals, resulting in satisfied clients

### Quarter4

Guelph, ON

Data Specialist

May 2019 – Aug, 2019

- Scraped and cleaned data using Pandas and MySQL, **allowing model prediction accuracy to rise >75%**
- Created Markov chain for data description using python for end user to understand key data points

### Marsh

Toronto, ON

Business Application Developer – Quick Win Team

Aug 2018 – Dec 2018

- Pitched, designed, and developed app for data reporting in SQL, VBA, MS Access
  - **Resulted in complete automation of 1hr of reporting time daily to the sales department**, and the primary role of co-ops

## Projects

### Personal Website

- Created personal website in Svelte.js, hosted on Google Cloud Platform  
<http://www.tonykwok.info/>

### SoulDog

- Designed UI and data schema, **chosen as top project for CS348**  
<https://souldog.herokuapp.com/>  
<https://github.com/aarshio/SoulDog-CS348>

### Wumpus World

- Implemented reinforcement learning techniques to show runtime differences

## Interests

Middle Distance Running • Automation • Clidynamics • Fitness