

PETER DUAN

Hamilton, Ontario

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Highlights of Qualifications

- Strong ability to adapt and **learn quickly** gained by continuously seeking out new challenges and opportunities for growth.
- Powerful **time management** and **multitasking** abilities established by completing multiple projects within tight deadlines during hackathon events.
- Excellent **teamwork** and **communication skills** acquired through previous work experience and extracurricular activities.

Technical Skills

Languages: Python, C/C++, UML, HTML/JS/CSS, Java, Haskell

Frameworks: React, Express, Flask, Qt

SDLC: Waterfall, Agile, Scrum

Tools/Services: Git, Docker, Nginx, Google Cloud Platform, MS Office

Projects

InstaCal, DeltaHack IX 🍷 | *React.js, Flask, YOLOv5, GCP*

January 2023

- A web-based application that identifies food and nutritional information from user-submitted photos.
- Created an intuitive user interface that guides users through the process of submitting a photo and receiving nutritional information by **React**.
- Implemented a food **database** to provide nutritional information for recognized food items.
- Developed **Flask API** with a model based on **YOLOv5** to utilize image recognition.

Elm Formatter Web 🍷 | *Elm, React.js, Bootstrap, Express, GCP*

April 2022

- **First** online code style formatter for Elm using **React** and **Express**.
- Allows developers to easily format code according to the **predefined style standards**.
- Contributed to the development of a consistent codebase, improving team collaboration and readability.

QtLive2d 🍷 | *C++, Live2d, Qt, OpenGL*

February 2022

- Ported **Live2D Cubism** to Qt platform and implemented rendering Live2D models in Qt Widget applications.
- Created a custom Qt Widget with native **OpenGL**, reducing CPU resource usage by **50%** compared to solutions that use Electron and WebGL.

AI Voice Diary, MacHacks 2 🍷 | *Python, PySide6, AssemblyAI*

January 2022

- **Winner of AssemblyAI Challenge** at MacHacks 2, a hackathon with **190+** participants.
- A dairy software utilizing AI to assist users in recording and analyzing their daily activities.
- Provided users with key insights and important keywords to help them reflect on their day.
- Successfully completed the project as a **solo** participant in my **first** hackathon experience.

Experience

Subway

May 2022 – Oct 2022

Sandwich Artist

Hamilton, Ontario

- Developed time management and multitasking abilities by preparing an average of **200** sandwiches per shift while maintaining strict food safety and sanitation standards.
- Gained experience in working in a **fast-paced** environment by handling an average of **\$2000** in daily sales and effectively handling **high-pressure** situations such as rush hour or peak seasons.
- Demonstrated ability to work as part of a team and contribute to a positive and productive work environment.

Education

McMaster University

Ontario, Canada

Bachelor of Applied Science in Computer Science (Co-op)

September, 2021 – Present

- Cumulative GPA: **11.1/12**

Achievements

The McMaster University Award of Excellence

November 2021

- Entrance Scholarship (Entering a Level 1 program in the top **10%** of Engineering Faculty).