

XIANPI DUAN

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Highlights of Qualification

- Powerful analytical and problem solving skills established through course work and project work.
- Strong self-learning skills and ability to learn faster built through self-study of many technologies and participation in hackathons.
- Excellent teamwork skills acquired through the course works.
- Time management skills gained through the organization of academic and extracurricular activities.

Education

McMaster University

Ontario, Canada

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

September. 2021 – Present

- Cumulative GPA: 11.6/12 (3.94/4.0) or 96.67%

Technical Skills

Languages: Python, C/C++, Java, C#, HTML/Javascript/CSS, Haskell

Technologies: Linux, Git, Google Cloud Platform, Docker, Latex

Developer Tools: VS Code, Visual Studio, Qt Creator, Eclipse, Figma

Current Learning: React.js, Elm

Projects

QtLive2d 🌀 | C++, Live2d, Qt, OpenGL

February 2022

- Ported [Live2D Cubism](#) to Qt platform from glew and glfw and implemented rendering Live2d models in Qt Widget applications.
- Can be easily and flexibly added into any Qt Widget application, and support Live2d model interactive mouse events.
- Use OpenGL instead of WebGL to achieve less resource consumption than similar implementations.

AI Voice Diary, MacHacks 2 🌀 | Python, PySide6, AssemblyAI

January 2022

- Winner of AssemblyAI Challenge
- Journaling by voice, using AI to analyze the day's events and extract keywords.
- Wrote in Python, using PySide6 as the GUI framework. Calling AssemblyAI's API to implement Speech recognition and keyword extraction.
- Completed UI designing, software developing, and final presentation individually.

OCREye 🌀 | C#, WPF, Google Cloud Platform, Physics

July 2021

- OCR software based on Google Cloud Platform.
- Using WPF and XAML to create a GUI that supports scaling UI without distortion.
- Add some physics effects to program to enhance playfulness.

Achievements

MacHacks 2 Winner

January 2022

- The best project using the AssemblyAI API

The McMaster University Award of Excellence

November 2021

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

Canadian Senior Mathematics Contest

November 2019

- Certificate of Distinction (Ranking in top 25% of contestants)

Relevant Coursework

- Development Basics
- Introduction to Software Design Using Web Programming
- Introduction to Programming
- Introduction to Computational Thinking