Nicholas Kwong

Summary of Qualifications

Languages: Python, JavaScript, C, Racket, HTML, CSS

Tools: jQuery, Foundation, PyGame, Echo Nest API, Edamam API, Kivy, LaTex

Strong communication skills from youth leader experience

Consistent at meeting strict deadlines through effective time management skills

Projects

Personal Website
- Used HTML, CSS and Foundation to host a personal website containing notes, side projects and resume

Music by Mood – Waterloo Tech Retreat Hackathon
- Analyzed and sorted users' music library with EchoNest API
- Developed Python script to move files between directories
- Utilized TkInter to create a simple and responsive user interface

Recipe Finder
- Application that took ingredients and returned recipes that could be made
- Developed the initial UI with Kivy along with a team member
- Implemented Edamam API to obtain a list of all valid recipes

Python Knowledge Quiz
- Programmed a quiz with Python and Pygame that tests the user's knowledge of Python
- Implemented graphical and audio feedback to increase interactivity

Activities

First Robotics – Team 4001

- Developed state machines in LabVIEW for autonomous robot movement
- Collaborated with other programmers to ensure that all states were functional

Contact

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Education

University of Waterloo
2015 − 2020

Candidate for Bachelor of Computer Science Honours Co-op

Recipient of President's Scholarship

Interests

Video Games
Running
Guitar

Volunteer Experience

Awana Day Camp Activity Leader
Scarborough Chinese Alliance Church – Scarborough, ON

Youth Camp Leader
Quebec Chibougamau Short Term Missions – Chibougamau, QC