Nicholas Kwong

Summary of Qualifications

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

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

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 user's music library with EchoNest API according to various song characteristics such as loudness and rhythm
- Developed Python script to move analyzed music files to its corresponding directory
- Utilized TkInter to create a clean and responsive user interface

Recipe Finder
- Used Python and Edamam API to return recipes according to user inputted ingredients
- Developed the initial UI with Kivy along with a team member

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 user interactivity

Activities

Automation Developer – FIRST Robotics , Team 4001
- Developed state machines in LabVIEW for autonomous robot movement
- Collaborated with other programmers to ensure that all states were functional and cohesive

AWANA Day Camp Activity Leader - Scarborough Chinese Alliance Church, Scarborough, ON
- Organized activities for AWANA day camp program attendees
- Coordinated with other volunteers to foster an engaging environment for participants ranging from JK – Grade 6
- Developed communication skills through coordinating events with team members

Youth Camp Leader - Quebec Chibougamau Short Term Missions, Chibougamau, QC
- Planned and prepared day camp activities for Cree children to participate in
- Interacted with Cree children in an enthusiastic and interactive manner
- Regulated activities to ensure a safe environment for camp participants

Contact

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https://nicholaskwong.com
https://linkedin.com/in/kwongn

Education

University of Waterloo
2015 – 2020

Candidate for Bachelor of Computer Science Honours Co-op

Awards

Recipient of President's Scholarship

2015 FIRST Robotics Industrial Design Award

2015 FIRST Robotics Regional Finalist