

Nicholas Kwong

Computer Science | University of Waterloo

Summary of Qualifications

Languages: JavaScript, C++, C, Python, HTML5, CSS3, Racket, Bash

Frameworks: Knockout, Durandal, Node.js

Tools: jQuery, RequireJS, Bootstrap, Foundation, Git, MongoDB, Jenkins

Contact

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Experience

Software Architect – Next Healthcare Technologies Inc

May 2017 – Aug. 2017

- Improved user experience and functionality for CareCDS, an online web and tablet application to streamline the patient waiting room process
- Modified CareCDS medical report builder with a rich text editor and capability to display server-side patient information
- Wrote unit tests with Jasmine and PhantomJS, along with manual quality assurance
- Refactored code to follow responsive web design principles for display consistency across devices and browsers
- Discovered and fixed critical bugs prior to product launch

Support Software Specialist – Videostream

May 2016 – Aug. 2016

- Implemented a feature which allowed users to easily modify their current subscriptions using Javascript, Stripe and Paypal APIs
- Developed multiple bug fixes according to customer feedback
- Introduced a splash screen advertising subscription benefits to not subscribed users
- Addressed various technical and financial concerns users had with the Videostream service in a timely manner

Programmer – FIRST Robotics, Team 4001

Sept. 2014 – June 2015

- Developed state machines in LabVIEW for autonomous robot movement
- Collaborated with other programmers to ensure that tasks were properly assigned

Projects

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 create organized directories for songs
- 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

Personal Website

- Used JavaScript, HTML, and CSS to create a personal website containing side projects and resume