Robert Craig

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robcraig.me

Self-motivated problem solver attending the **University of Waterloo** for **Software Engineering**.

SKILLS

Python, JavaScript, C#, HTML, CSS, React, GraphQL, Git, problem solving, communication

EXTRA CURRICULARS

Music:
Improvisation, piano, guitar, ukulele, song writing, music-recording

Sports:
Downhill skiing, badminton, ping-pong rock climbing

Clubs:
Computer Science Club
Coffee & Code

VOLUNTEER WORK

Piano Player
Played in the Green Home Assisted Living Center, Wellsboro, PA.

Math Tutor
Tutored a student in Algebra at Wellsboro Area High School.

ACADEMICS

University of Waterloo, Software Engineering	Sept. 2019 – May 2024 (expected)
High School Class Rank: 1of 133.	SAT score 1510/1600, 99th percentile

ADDITIONAL COURSES

Intro to CS Using Python by **MITx**	June – Aug. 2018
Machine Learning by **Stanford University**	June – Sept. 2017
Pennsylvania Free Enterprise Week at **Lycoming College**	July 2017
Intro to CS by **HarvardX**	Nov. 2016 – Apr. 2017
Game Programming with Unity and C# at **Vassar College**	Aug. 2016

WORK EXPERIENCE

WatLock (Martian Airlock Design Team) — **Waterloo, ON**
UI Design Team Member — September 2019 – Present
Building a React based UI using ElectronJS and Python.

WorleyParsonsCord — **Blackfalds, AB**
Oilfield construction team member — June – August 2019

Instrument Cluster Store Inc. — **Wellsboro, PA**
Custom computer design & assembly: built & setup five computers — July – August 2018

Mosso Realty — **Big Flats, NY**
Website development: created fairportridge.com — January – February 2018

PROJECTS

Just Your Feedback (award winning) — **Pyramids, Python, Web, Machine Learning**
- Machine learning Image recognition web application that can detect thumbs up/down through a web camera and automatically submit a survey to SurveyMonkey.
- Award winning Hack the North 2019 project. (Won SurveyMonkey's API prize)
- I built the backend and integrated the various parts of the application.

TeaGreen.ca — **JavaScript, ReactJS, GraphQL, GatsbyJS, Netlify**
- Music improvisation blog where I post daily musical creations.

FreeCodeCamp: Front End Development — **JavaScript, HTML, CSS, Materialize, API**
- JavaScript powered desk-style calculator
- Tic Tac Toe game with unbeatable forward-looking AI or local multiplayer
- Simon game built to model the 1978 memory game
- Weather website that displays the temperature and weather at your location

Unity Games — **C#, Unity, Game Development**
- Super Ball Hit 9000: based on Atari Breakout, but with four paddles and no walls
- Couch Simulator 2016: You control a couch flying through a city jumping on waffles

CS50x Final Project — **Python, Flask, SQL, Frontend Web**
- Created a (now discontinued) full-Stack development project that shows who your representatives are on the local, state, and federal levels.

Canuck Computers — **Entrepreneurship, Frontend Web**
- Started a local computer building business based in Wellsboro, PA. canuckcomputers.com

Improveats — **React Native, Mobile Development**
- Prototyped a mobile app for a now discontinued restaurant reservation start-up