

Robert Craig

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robccraig.me

Self-motivated problem
solver studying at 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. **GPA of 93.3%**
High School Class Rank: 1 of 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 – December 2019

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**
- Gyroll: A gyroscope-controlled maze game, created using AGILE 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