Robert Craig

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Self-motivated problem solver studying at the **University of Waterloo** for **Software Engineering**

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

ADDITIONAL COURSES

MITx: Intro to CS (2018)

FreeCodeCamp:
Front End Development (2017)

Stanford University:
Machine Learning (2017)

HarvardX:
Intro to CS (2017)

Vassar College:
Game Programming with Unity and C# (2016)

SUMMARY OF QUALIFICATIONS

- Passionate software developer with **3+ years** of experience building personal projects and experimenting with languages including **C#**, **C**, **C++**, and **Python**
- Strong understanding of **web development** as demonstrated by numerous side projects using web technologies including **JavaScript**, **React**, **HMTL**, **CSS**, **GraphQL**, and more
- Effective time management: Completed several online college level CS classes while maintaining a GPA of **99.4%** and a class rank of **1/133** in high school
- Excellent problem solving and technical communication skills

ACADEMICS

University of Waterloo, Bachelor of Software Engineering   2019 – 2024 (GPA of **93.3%**)

PROJECTS

Just Your Feedback (award winning)   **Pyramids, Python, Web, Machine Learning**
- Developed an image recognition web application that can detect thumbs up/down through a web camera and automatically submit a survey to SurveyMonkey
- Won SurveyMonkey's API prize at Hack the North 2019
- Built the backend and integrated the various parts of the application

teagreen.ca   **JavaScript, ReactJS, GraphQL, GatsbyJS, Netlify, Git**
- Developed a music improvisation blog where I post daily musical creations
- Created to give me a space to display my musical creativity and express myself

Gyroll   **C#, Unity, Game Development, Arduino, C, Git**
- Created a gyroscope-controlled maze game using the **Agile** development process
- Developed in a team of four members for our SE101 term project, receiving a perfect score
- Main designer in a code refactor that simplified and streamlined development

Canuck Computers   **Entrepreneurship, Frontend Web, Computer Building**
- Started a local computer building business based in Wellsboro, PA, which generated revenue of over **20x** my initial investment (canuckcomputers.com)

CS50x Final Project   **Python, Flask, SQL, Frontend Web**
- Created a full-stack development project that displays your government representatives on the local, state, and federal levels

WORK EXPERIENCE

WatLock (Martian Airlock Design Team)	**Waterloo, ON**
UI Design Team Member	Sept. – Dec. 2019

WorleyParsonsCord	**Blackfalds, AB**
Oilfield construction team member	June – Aug. 2019

Took initiative and increased productivity by building custom Excel spreadsheets

Instrument Cluster Store Inc.	**Wellsboro, PA**
Custom computer design & assembly	July – Aug. 2018

Mosso Realty	**Big Flats, NY**
Web Developer for fairportridge.com	Jan. – Feb. 2018

Decreased yearly costs by **94%** compared to the company's other website