

# Robert Craig

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robrcraig.me  
github.com/robinator8

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, HTML, 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](http://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)

*UI Design Team Member*

**Waterloo, ON**

Sept. – Dec. 2019

### WorleyParsonsCord

*Oilfield construction team member*

**Blackfalds, AB**

June – Aug. 2019

Took initiative and increased productivity by building custom Excel spreadsheets

### Instrument Cluster Store Inc.

*Custom computer design & assembly*

**Wellsboro, PA**

July – Aug. 2018

### Mosso Realty

*Web Developer for [fairportridge.com](http://fairportridge.com)*

**Big Flats, NY**

Jan. – Feb. 2018

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