

RobertGraham-Hu

University of Waterloo: Systems Design Engineering

Contact

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robertg-h.github.io



/robertg-h



Skills

languages

Java

C++

HTML

CSS

tools

Git/Github

Solidworks

Eclipse

GIMP

Microsoft Office

communications

Teamwork

Leadership

Public Speaking

Organization

Interests

Music Production

Coding

Gaming

Hockey

experience

Team Lead, CRT Team 5630, FIRST Robotics

Nov 2013 - August 2016

- Led team of 20 members and 5 mentors to fund, design in CAD, build, and program a 100-pound robot that competes in a regional competition in six weeks
- Grew team from 5 to 20 members by public speaking at promotional events
- Conducted marketing strategies using skills in GIMP and Microsoft office to approach companies for sponsorship and attract new team members
- Designed and taught workshops to teach team members critical skills: Java, Git, Solidworks, and design process

STEM Camp Counselor, STEM Learning Lab

July 2016

- Taught and engaged students in high quality, hands on STEM learning experiences
- Coordinated, organized, and led student activities

Student Delegate, FRC West

June 2015 - April 2016

- Represented FIRST Robotics at public events to promote awareness of the program
- Analyzed, gathered, and organized FIRST Robotics survey research using Microsoft Excel to qualify for grants

projects

Personal Website

August 2016 - Present

- Applied skills in HTML, and CSS to design and code a website from scratch, showcasing skills, interests, and on going projects

B.E.A.S.T. Slayer, Computer Science 30

March 2016 - June 2016

- Developed a 2D side scrolling game using Java coding knowledge
- Created all art assets using GIMP, and music assets in Reason

education

Candidate for B.A.Sc. Systems Design Engineering, University of Waterloo

2016 - 2021

Relevant courses:

- Digital Computation (C++ course)
- Introduction to Design (Solidworks course)

Honours Student, Western Canada High School

2013 - 2016

- Captain of varsity football team
- Three years of computer science courses

HTML, CSS, and Javascript for Web Developers, Coursera.org

June 2016 - August 2016

- Self-motivated to take online course

other experience

Program Tester, EZ-Robot

Sept 2014 - Dec 2014

- Tested robot programs while participating in troubleshooting on EZ-Robot's online forum

Park and Facility Services Sweeper, Calgary Stampede

July 2015 and 2016

- Maintained cleanliness of Stampede Park while working in and maintaining positive work environment
- Developed customer service skills while answering tourist questions

