Robert Graham-Hu
Systems Design Engineering: 1A (20665001)

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, using Excel, FIRST Robotics survey research

projects

Personal Website — August 2016 - Present
- Applied skills in HTML, Javascript and CSS to design and code a website from scratch, showcasing skills, interests, and ongoing projects

B.E.A.S.T. Slayer, *Computer Science 30* — March 2016 - June 2016
- Developed a real time 2D side scrolling shooter game applying Java coding and design 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++), Graphics Laboratory (Solidworks)

Honours Student, *Western Canada High School* — 2013 - 2016
- Captain of varsity football team
- Three years of computer science courses receiving 99% average

HTML, CSS, and Javascript for Web Developers, *Coursera.org* — June 2016 - August 2016
- Self-initiated 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