CALDER WHITE

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HARDWARE AND SOFTWARE EXPERIENCE

Husky-lite Hardware project built at home

Used CHIP, $9 Linux-based computer. Also used Twilio API, thermal sensor and Python3/shell code to monitor an area checking for human activity. Notifies the owner via text if there has been an intrusion.

Classroom connect Winner of Jamhacks 2017 (SJAM Hackathon)

Used Node.js (including many packages like Express), plain Javascript (jQuery), HTML/CSS (bootstrap) and the Google Classroom API to create a quasi-dashboard experience. Software app helps students plan the best choice for their next project partners.

Structure Search A web app / api built at home

Using Go, HTML5 and various frameworks, this app scrapes the web and finds any company's employees and their organizational structure.

VOLUNTEERING

Laurier Enriched Academic Program (LEAP), camp counsellor - taught Gr 3 to 6 students to build NXT robots including all the processes of planning, development, debugging. Also taught beginning programming skills using drag and drop environments. July 2017.

Maker Expo - volunteered with hardware and software makers at the event at Kitchener City Hall. September 2016.

Queen Street Commons Cafe - ran the coffee bar, prepped and served food. July-August 2016.

Code to Win - volunteered at the Communitech event with university CS students from across Ontario, January 2015.

ACADEMICS

Math and Science student enrolled in Pre-advanced placement courses. I completed loads of independent work with a keen eye and keen work ethic. Grade 9 Pre-AP Math 90%. Grade 9 Pre-AP Science 95%.

CS Club Exec After a preliminary year of participation, I was selected to be an executive of SJAM's Computer Science Club. I now help run the lessons and am planning the next Jamhacks!