

Item	Unit Price	Quantity	Cost	Justification	URL
3D Printer	\$594.31	1	\$594.31	This is the #1 item that I am requesting funding for. As mentioned in my application, it was very challenging and inefficient for me to get prints done. Acquiring my own printer would be a major productivity boost, and also bring me confidence that I have the tools needed to succeed in my mission.	<a href="https://usd3d.com/products/leap-x-mat-3">https://usd3d.com/products/leap-x-mat-3</a>
Soldering Iron + Multimeter	\$34.99	1	\$34.99	Similar to the 3D printer, acquiring my own electrical tools will be a major productivity boost. Last summer I was forced to intern at a University of Calgary student and sneak into their electrical engineering lab. This left very unprofessional and inappropriate.	<a href="#">Soldering Iron Kit with Digital Multimeter, SREMTCH 60W LCD Welding Tool with ON/OFF Switch Adjustable Temperature knob(200-450°C) for Electronics Repairing - Irons - Amazon Canada</a>
Raspberry Pi 5	\$114.69	1	\$114.69	In order to use my robot by web app (my ultimate goal), I will need a advanced computer like the Pi 5.	<a href="https://www.amazon.ca/Raspberry-Pi-5GB-2023-Processor-in-BACKPACK-format/dp/B0C8P2FC0G/ref=ppc_sd_fpd_0418620_8890907wd?rd_r_synfswkcontent-stramr1_syn_dsm4101_6e04_4dfe-916e-adef0_616992ba&amp;pf_rd_r=D0J1VTFQGY2O9Y1T6v228kd_rd_rnB716935e-b792-4d0a-8bb3-bad88312d9dd&amp;rd_rn_HBOCKZCFK1K4">https://www.amazon.ca/Raspberry-Pi-5GB-2023-Processor-in-BACKPACK-format/dp/B0C8P2FC0G/ref=ppc_sd_fpd_0418620_8890907wd?rd_r_synfswkcontent-stramr1_syn_dsm4101_6e04_4dfe-916e-adef0_616992ba&amp;pf_rd_r=D0J1VTFQGY2O9Y1T6v228kd_rd_rnB716935e-b792-4d0a-8bb3-bad88312d9dd&amp;rd_rn_HBOCKZCFK1K4</a>
Electronics Kit	\$23.99	1	\$23.99	Contains wires, resistors, LEDs, buttons, and lots of valuable electronics	<a href="#">ELEGOO Upgraded Electronics Fun Kit w/Power Supply Module , Jumper Wire , Precision Potentiometer, 500 Ice-Points Breadboard for Arduino, Raspberry Pi, STM32 - Amazon.ca Electronics</a>
Motors A-D	\$29.92	4	\$119.68	I have already researched for the best	<a href="http://www.amazon.ca/RoboLabsUniversal-Servos-Set/depasdaR0BS1DOXN3Uwrf_1_?ref=AJC3F9FH1UX03x4treyvz2lpmSj9_klu7ZY1yoc7C_8QmQJqjz7b12U3535TUx4tbnlsJAFZPCorgPJtR8S3huuyugpsH4wtIS4_R4AZamp2XgpiJTBTQZWvQuawoX3o1x0Fhw1R04M8hMZ_sUp0wpd_H3C7ZwD_rnIAT9DuCaGsl850H02Ch8n1_5BtlhAlTogTQVBMH_cg2GRStJ">http://www.amazon.ca/RoboLabsUniversal-Servos-Set/depasdaR0BS1DOXN3Uwrf_1_?ref=AJC3F9FH1UX03x4treyvz2lpmSj9_klu7ZY1yoc7C_8QmQJqjz7b12U3535TUx4tbnlsJAFZPCorgPJtR8S3huuyugpsH4wtIS4_R4AZamp2XgpiJTBTQZWvQuawoX3o1x0Fhw1R04M8hMZ_sUp0wpd_H3C7ZwD_rnIAT9DuCaGsl850H02Ch8n1_5BtlhAlTogTQVBMH_cg2GRStJ</a>
Warm Gear	\$70.90	3	\$212.70	Quality gears to ensure reliable functionality	<a href="https://www.amazon.ca/SJOE-IQCY-SMX-Cover-1-A-mid-A37GDVPBNVQ03Ref_-vch_bsp_img/Dp/">https://www.amazon.ca/SJOE-IQCY-SMX-Cover-1-A-mid-A37GDVPBNVQ03Ref_-vch_bsp_img/Dp/</a>
Motor Controller A-B	\$18.49	2	\$36.98	Allows for Motors to be controlled	<a href="https://www.amazon.ca/OKADIR-Controller-Regulator-Optocoupler-ISOG13SG528BXUY1Zrefsr_1_2_spa?ref=sr_991131038454dtreyvz2lpmSj9_3-dby-MdmesG43_scxubvH2NS0d8Gqay7DUOLJ_LofITQZUKTKOUWCWUsopetDT83qhtbvtMWQZv2tegrgTe_T_JXBOR551_ZedCaGsl8nT7EdmIdkg_h0g0tRhMM_MQHmnQzvFL_BIAMhNVZvEM5E00M9pSOUIZEg3Q9SDTep">https://www.amazon.ca/OKADIR-Controller-Regulator-Optocoupler-ISOG13SG528BXUY1Zrefsr_1_2_spa?ref=sr_991131038454dtreyvz2lpmSj9_3-dby-MdmesG43_scxubvH2NS0d8Gqay7DUOLJ_LofITQZUKTKOUWCWUsopetDT83qhtbvtMWQZv2tegrgTe_T_JXBOR551_ZedCaGsl8nT7EdmIdkg_h0g0tRhMM_MQHmnQzvFL_BIAMhNVZvEM5E00M9pSOUIZEg3Q9SDTep</a>
Total	\$1,136.94				