

Raghav Sharma

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EDUCATION

UNIVERSITY OF ALBERTA | BSc COMPUTER ENGINEERING

Edmonton, AB | Sept 2021 - Apr 2025

GPA: 3.4/4.0

PROJECTS

PERSONAL-WEBSITE | HTML, JAVASCRIPT, CSS (SKELETON)

<https://raghav-sharma.com>

Conceptualised and implemented a rainbow animated background using only CSS. Made the webpage responsive by adding a CSS library: Skeleton.

ANALOG CLOCK | MATLAB

<https://github.com/rraghavssharma/Analog-Clock>

Used/modified the "clock" built-in function and the plot function to create an analog style clock.

SHOPPING CART SIMULATOR | PYTHON

<https://github.com/rraghavssharma/Shopping-Simulator>

Shopping Cart Simulator provides a menu in the output terminal with several options to modify what is in your virtual shopping cart.

ALBERTA HYPERLOOP CLUB SOFTWARE/ELECTRICAL ENGINEERING TEAM MEMBER | PYTHON

Integrated sensors and peripherals into the existing mechanical design. Built and designed PCBs that housed CAN-bus Internet Protocol which allowed the Pod to send data from various on-board sensors to a monitoring system such that the Pod could be remotely forced to stop or regulate it's speed by human intervention, hosting servers were not required. CAN-bus was written in Python. Data Latency between Pod and systems monitoring was minimalized to less than 150 milliseconds by increasing RAM capacity.

WORK EXPERIENCE

EDMONTON NUT AND BOLT | WAREHOUSE WORKER

Edmonton, AB | May 2022 – August 2022

- Performed quality and inventory checks with other co-workers on merchandise, reporting any inconsistencies or problems
- Maintained excellent physical ability in order to lift and push heavy materials upwards of 125lbs for 10+ hours a day
- Operated forklift to receive and load stock while complying with safety standards

BARBECUE COUNTRY | ASSEMBLY TECHNICIAN

Edmonton, AB | May 2022 – August 2022

- Assembled and tested commercial and residential Barbecues, fireplaces, and heaters in a timely manner while adhering to safety guidelines
- Correctly and safely used variety of hand tools, saws, and cutting equipment
- soldered new motherboards and sensors onto existing units that required repairs

SKIP THE DISHES | DELIVERY DRIVER (PART-TIME)

Edmonton, AB | June 2021 – Present

- Concise and thorough communication with restaurants and customers through the App discussion board/interface

VOLUNTEERING

NEW STUDENT ORIENTATION AND WEEK OF WELCOME VOLUNTEER SEPTEMBER 2022

Introduced and Welcomed incoming students to the campus. Organized activities and games in the first week of school to celebrate new students at the campus.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES
TECHNOLOGIES
IDES

Python, Matlab, Javascript, HTML5, CSS, C/C++
Git, Excel/Sheets
Arduino, pycharm, VS Code, Atom