

GURMAN BRAR

Candidate for BAsC in Biomedical Engineering

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📍 Waterloo, Ontario

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🔗 <https://github.com/Gurmie12>

EXPERIENCE

Junior Auto Mechanic

North-Eastern Trucking

📅 June 2018 – August 2019 📍 Stoney-Creek, Ontario

- Repair and maintenance of Commercial semi-trucks. Repairing engines, replacing tires and fixing smaller components of trailers.
- Working along side a team of mechanics to problem solve various solutions to mechanical and electrical problems within semi-trucks.
- Leading and evaluating new employees, teaching them technical skills and communicating their progress with the supervisors on duty.
- Experience with various work-shop tools and mechanical techniques. Experience with leadership and communication within the workplace. Working along side a team in problem solving roles.

Hemodialysis Clinic Volunteer

St. Josephs Hospital

📅 June 2017 – June 2018 📍 Hamilton, Ontario

- Organizing patient schedules and monitoring waiting room, informing patients what time they are scheduled. Assisting them in moving to their clinical chairs.
- Worked in a team setting, alongside the hemodialysis nurses and hospital staff, communicating patient statuses and wait times.
- Arranged rides to and from the clinic on behalf of patients and assisted in minor patient care within the waiting room.

Campaign Volunteer

Ontario PC Party

📅 April 2018 - July 2018 📍 Stoney-Creek, Ontario

- Managing a group of volunteers in canvassing door to door in order to inform the general public of our MP's goals in the upcoming election.
- Allocating different areas within our riding to separate members of my team and taking diagnostics based on public feedback.
- Playing the role as a team leader and providing means of communication within my team by organizing different tasks and roles and distributing them.

ACHIEVEMENTS

- Contestant in SPARK Hackathon. Designing a muscular stimulation device for astronauts to battle muscle dystrophy.
- 2019 Hamilton Cricket Champions.
- Finished with highest overall mark in advanced functions, Biology, Chemistry, Physics and kinesiology.

SKILLS

C#, 3D Printing
Python, Circuiting
HTML, CSS, Xarmin



EDUCATION / COURSES

IOS App Development (Swift)

Udemy

📅 June 2019 – present

Candidate for BAsC in Biomedical Engineering

University of Waterloo

📅 Sep 2019 – Present

Python Bootcamp

Udemy

📅 August 2019 – present

HONORS & AWARDS

- Valedictorian of Graduating Class (Highschool)
- Ontario Scholars Award.
- Honour role for four years in a row.
- Presidents Award Scholarship (95%).
- Nominated for Schulich Leader Scholarship

PROJECTS

WheelChair Wheel Cleaning Device

- Currently developing and designing a wheelchair wheel cleaning device in a group.
- A portable and easy to use device that removes dirt from the wheels of a wheelchair. Working in a group setting developing prototypes and communicating different design iterations.

Smart Helmet

- Currently developing and prototyping a design for a helmet that has smart feature capabilities using a raspberry PI and various sensors. Being able to tell you the time, temperature and statistics from your smartphone.
- Using Xarmin and C# to make multi-platform apps.

VR App (Game)

- Designed and programmed a VR game that takes users on a tour through different cities, assessing the impact of Climate Change. Created using Unity and Goggle cardboard SDK.
- Working along side a team of 4 at NASA SpaceApps Challenge over 2 days.