

Vaibhav Bakshi (he/him) Materials Engineering Student

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SKILLS

Management

- Conducting interviews
- Conducting workshops
- Employee training
- Excellent communication

Computer

- Python, MySQL
- C, Arduino
- MATLAB, Excel
- Onshape (CAD)

Hardware

- Multimeter, function generator
- Soldering Iron, wiring
- Oscilloscope
- Building computers

EDUCATION

University of British Columbia
Bachelor of Applied Science - Materials Engineering

2022 – September, 2026

WORK EXPERIENCE

Building Common Good, Burnaby, BC
Social Entrepreneur & Team Lead

June, 2023 – September, 2023

- Retained 75+ sales in door-to-door sales in less than 3 months.
- Conducted interviews and workshops, trained employees, rapport building, objection handling, filling tax receipts, pitching, rehashing, and preserving.
- Exceptional pitching and icebreaker skills to gain interest of customers at the door, using objectional handling techniques while receiving rejections and objections, building rapport and connection with the potential customer while closing the sale.
- Setting standards at the office by dressing sharp, always being early, keeping and maintaining a positive attitude throughout.

UBC Esports Association, Vancouver, BC
Call of Duty Community Lead

October, 2022 – April, 2023

- Desk support at the UBC Esports lounge utilized excel to keep track of people who are entering and exiting, checking, and collecting 2 pieces of IDs to see whether they have the pass to enjoy lounge services and perks.
- Expanding Call of Duty community at UBC, Vancouver using Discord server.
- Keeping a professional and polite conversation with the members/executives at the lounge.

TECHNICAL PROJECTS

Hospital Database Management System (Python & MySQL)

2020 – 2023

- Collaborated with team member to design DMS that works as an inventory. Contains SQL table records of patients and doctors, login system for admin access and a user-friendly menu driven system. Using CSV and Binary files, the user can perform CRUD functions. There are some exceptions used to avoid user inconvenience. Learned the application of languages.
- Programmed Tic-Tac-Toe and bat ball game purely based on python, used lists for making a 3x3 space for the user to input "X" or "O". Bat ball game takes user input from 0 to 6, CPU uses a random function; if the CPU guesses the number or vice versa, the user/CPU loses, and the one with more points wins.



- Programmed Simon game, an additional lab in APSC 160 using C and Arduino. The circuit was provided by the instructor, compiled code using resources provided by the instructor.
- Programmed my own website for projects by using a template, redesigned the template using basic knowledge of HTML, CSS, and JS.

Electrical Devices

2017 – 2023

- Created small electronic devices by utilizing help from electronics teacher in high school: metal detector, water alarm circuit system, digital clock, controlled lightning system, number guessing circuit, FM radio and an automatic street light LED model using LDRs. Learned to utilize flux and soldering.
- Coordinated with my APSC 101 team to build an autonomous claw that could pick objects on its own. A sonar sensor and servomotor were used. Acquired skills to use different cutting tools, such as nibblers and aviation snips. Worked on 3D modelling for claw and engineering drawings.
- Built 2 custom PC's, learned daisy chaining to set up fans, liquid cooling system, worked on both full tower and small case. The motherboards used: Asus X570 and Asus B550M.
- Analyzed circuits with resistors and capacitors (RC) in PHYS 159, sent waves as input (function generator) and read output on the oscilloscope channels. Learned how to make breadboard circuits.

VOLUNTEER EXPERIENCE

All India Samaj Sewa Kendra, Yamuna Nagar, Haryana

2019 – 2020

Student Volunteer

- Supporting underprivileged children by donating clothes, toys, books, and food.
- Realized my social responsibilities, meaning small contributions make a huge difference in someone's life.

Pacific Salmon Foundation and Plan International Canada

2023 – 2023

Professional door to door fundraiser

- Fundraised door to door in Squamish, Burnaby, Horseshoe Bay, West Vancouver, Coquitlam, Port Coquitlam, Port Moody, and some part of Greater Vancouver.
- High production in sales/donations and attaining transferable skills.
- Managing turf by keeping logged knocks, re-lapping and not burning through turf.

AWARDS

Achieved scholar badge at Delhi Public School R.K. Puram, New Delhi.

2020 – 2021

PROFESSIONAL AFFILIATIONS

Member of Engineers and Geoscientists British Columbia (EGBC).

2023 – Present

INTERESTS & ACTIVITIES

Video games

- These have a special place in my life, I have always enjoyed gaming since I was 3 years old. Top 10 Call of Duty: Warzone player in India, category: PC. Top 35 team in Call of Duty: Mobile in India qualified to regionals.

Sports

- Always participated in sports such as soccer, sprinting and cricket. Playing these sports have had a significant impact on my personality by making me competitive, hardworking, and not giving up. Winning medals and awards boosted my self-esteem and confidence.

Game Designing

- I have a major interest in game design. The next step for me is to learn the foundation and do something in game design whether it's related to programming, 3D modelling, or visuals.

