PREET PANCHAL

Ontario Tech University Student

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EDUCATION

Ontario Tech University | *September 2018 – Present*
Honours Bachelor of Science (HBSc), Computer Science
Coursework: Programming Fundamentals, Data Structures, Software Design and Computer Systems

TECHNICAL PROFICIENCY

Programming: Python, C++, C, Java, HTML, CSS, JavaScript, SQL, R
Databases: PostgreSQL, SQLite
Web Frameworks: Node.js, Express, Angular, React Library, Flask
Software: Visual Studio Code, RStudio, Atom, Notepad++

WORK EXPERIENCE

October 2019 – Present
THE SOURCE (BELL)
Sales Associate / Toronto, ON

Passionately consulted clients by offering both Bell and Virgin Mobile telecom and residential services. Created a complete technical solution by practicing POC exercises.
- Demonstrated front line customer service and technical support for corporate, small business and personal accounts.
- Evaluated client's needs and designed technical solutions to help solve potential problems and better day-to-day living standards.
- Collaborated with teammates to strategize methods to exceed sales targets in a competitive environment and ensured operational excellence is met at all times.

May 2020 – August 2020
AMPHENOL CANADA CORP.
Quality Assurance Intern / Toronto, ON

Worked as an intern and completed testing, debugging, and managed the process of electrical components primarily used in the military and aerospace sector.
- Developed and debugged testing cases for electrical connectors, modules and fibre optical cables using C and HETOS.
- Utilized the error-detection algorithm to minimize error repairing time and prevent fault production to ensure all electrical components are being tested efficiently and safely.
- Created technical documentation following tests to inform clientele about the results.

Additional Learning Points: CNC, Dip Soldering Machine, Terminal Crimping Machine

PROJECTS

Completed August 2019
GRADEGOALS
Java, HTML, CSS, JavaScript, SQL

This is a simple grade calculator that allows you to set your personal grade goal in a course and calculates how much you will need for each assessment to achieve your grade goal in the course.
- Designed and programmed an end-to-end website for students to predict the marks they would need in the future assignments to achieve their expected grades.
- Added an option for students to import/export data where the program accepts the input and then outputs the numerical grades students would need on specific evaluations to achieve a specific grade. This greatly helped improve the user interaction.

Completed April 2019
CSCB20 COURSE WEBSITE
Python, Flask, SQLite, HTML, CSS, JavaScript

Designed and programmed complete user-friendly website targeted for students and professors to interact for all course work at the University of Toronto.
- Developed a dynamic and interactive website creating a space for multiple functions, tools and materials increasing efficiency of non-verbal communication and academic success throughout the course.
- Allows for all course syllabus, material, announcements and students' marks all on one website creating a simple and professional interaction for both student and professor users.

Completed February 2019
MDB-C
C

Designed a simple movie review database that contains a movie title, movie studio, year, box-office total, and review information.
- Implement a compound data type to hold data for a specific item or application
- Wrote, tested and debugged a program organizes, stores, and manages a collection of compound data items using linked lists and pointers.

HIGHLIGHTS

TEAM 188 MENTOR
2014 – Present
Inspiring young adults to engage in the field of STEM by designing, manufacturing and competing with a Robot in FIRST Robotics Competition.

ASA DATAFEST @ UOFT
May 2019
Participated in the 2019 DataFest at UofT and acquired essential skills in Python Pandas and RStudio.

OTU "MINI-MINI" HACK WINNER
March 2019
Designed and presented a futuristic patent technology "Eyes Aligned" to improve driver safety and engaging in a project that benefits everyone around the world.

COMMUNITY LEADERSHIP AWARD WINNER
October 2018
Awarded community scholarship for demonstrating positive, active leadership role and involvement in the community.

LIFELABS SCHOLARSHIP WINNER
July 2018
Awarded scholarship for exemplifying LifeLabs' values of caring, knowledge, and action. Based on grades, leadership and extracurriculars.