

Harsukh Deol

Mechanical Engineering

hk4deol@edu.uwaterloo.ca

356-778-7256



SKILLS

Code

Java, HTML, CSS, JavaScript, C++, Visual Basic

Design

Adobe Photoshop, Adobe Illustrator

AWARDS

Gold medal (2018) &

Silver medal (2017)

Architectural Design

Peel Skills Challenge

Created 3 floor plans, site plan and elevation drawing with Revit (2018) and AutoCAD (2017)

Top 10 Finalist

Deca Regionals - Principles of Finance (2015)

INTERESTS

- UI design
- Sustainability
- Ethical Fashion
- Minimalism
- Fitness

TRANSFERABLE SKILLS

- Communication and organizational skills developed when planning and executing a hackathon and running DECA (a high school business club)
- Problem-solving and collaboration skills strengthened by selling self-made books
- Time-management skills developed when balancing academics, contributing to extracurriculars and self-learning HTML, CSS and JavaScript

PROJECTS

Personal Websites (HTML, CSS, JavaScript)

- Developed 5 websites about quantum cryptography, minimalism, and graphic design

Number Typing Game (JavaScript)

- Coded a game that displays numbers quickly and keeps score of how many times the user types the correct number

Robot Obstacle Course Program (Java, leJOS)

- Programmed a robot to scan and navigate a colorful obstacle course by using color, gyro, and ultrasonic sensors

Vector Calculator (Java)

- Developed a calculator that inputted cartesian and geometric vectors and calculated vector operations (dot product, cross product, unit vector, etc.)

Graphic Design and Digital Art (Photoshop, Illustrator)

- Created 16+ artworks with digital editing, painting and typography

Posters and Artwork for Others

- Designed event posters for 7+ clubs (including DECA and the hackathon)
- Made Instagram posts for 3 clubs (DECA, hackathon, Junior Achievement)
- Created the cover art and page layouts for the school yearbook

Harry Potter Game (Visual Basic)

- Coded several minigames (Sorting Hat, Potions, Dueling, Quidditch)

EXPERIENCE

Event Planner - MSS Hackathon

MAR 2018 - MAY 2018

- Led 1-hour long workshops for over 100 middle and high school students (including MIT, Scratch, and Spheros)
- Organized the first hackathon by simultaneously managing administration, assigning job, developing workshop plans and creating agendas

Marketing Executive - DECA

SEPT 2015 - MAR 2018

- Taught ½ hour business lessons to students and critiqued presentations, leading the chapter to win 13 more awards than the previous year
- Professionally presented to judges at competitions and to over 50 parents, staff and students at open houses
- Analyzed past competition questions to develop lessons and worksheets for current students

Marketing Department - Junior Achievement RBC

OCT 2017 - JUN 2018

- Problem solved with a team to create a financial literacy book for youth, reaching +100 local children
- Sold book to public and made \$750 in profit
- Created cover and page layout of book with Photoshop & Illustrator

Youth Council Member - Brampton South

MAY 2017 - NOV 2017

- Met with the Minister of Status of Women to discuss gender inequality
- Collaborated with volunteers to develop initiatives to encourage women into STEM fields
- Spoke to over 100 citizens by going door-to-door to ask them about their views on the current government