


# HARSUKH DEOL

 [harsukhdeol.github.io/portfolio/](https://harsukhdeol.github.io/portfolio/)

 [github.com/harsukhdeol](https://github.com/harsukhdeol)

 [codepen.io/harsukhdeol](https://codepen.io/harsukhdeol)

 [hk4deol@uwaterloo.ca](mailto:hk4deol@uwaterloo.ca)

## LANGUAGES

JavaScript	Java
Python	C++
HTML	Visual Basic
CSS	

## TOOLS

SASS	Node.js
Bootstrap	Three.js
JQuery	Git
React	Npm
Redux	Webpack

## DESIGN

XD | Photoshop | Illustrator

## AWARDS

**Gold medal** (2018) & **Silver medal** (2017)

*Peel Skills Challenge*  
Architectural Design

**Top 10 Finalist** (2015)

*DECA Regionals*  
Principles of Finance

## EDUCATION

### Lynda

- Learning Node.js
- Bootstrap 4 Essential Training
- Learning 3D Graphics on the Web with Three.js

### FreeCodeCamp

- JavaScript Algorithms and Data Structures
- Responsive Web Design

### University of Waterloo

Candidate for Honours  
Mechanical Engineering  
(BASc)

- Expected: April 2023
- GPA: 3.86

## EXPERIENCE

### 3D Software Programmer

DEI & Associates Inc.

MAY 2019 - AUG 2019

- Developed a system using Python that automatically generates dynamic HVAC and electrical system builder in Dynamo, Revit, allows creation of repeatable components for entire mechanical and electrical system
- Used daily by Revit DEI & Associates engineers, saves 20+ hours per project
- Created user interface with Dynamo and documentation that boosted program usage of non-technical teammates
- Worked independently and problem solved with both mechanical and electrical departments to troubleshoot and debug code

### Project Executive

The Lions Byte

SEPT 2017 - APR 2018

- Created marketing strategies, workshop plans, and delegated tasks to sub teams with deadlines and progress updates
- Spearheaded 2 workshops: introduction to Scratch and MIT app inventor
- Served as an event coordinator to volunteers and staff by ensuring timely execution of activities and monitored all 150 participants for enthusiasm and purposeful learning

## PROJECTS

### Fashion Retail Website (React.js, Bootstrap)

[fashion-store.netlify.com/](https://fashion-store.netlify.com/)

AUG 2019

- Developed and designed an apparel shopping website with 10 pages and over 40 products using React.js, CSS modules and Bootstrap
- Integrated PayPal sandbox for users to buy products and receive verification of purchase

### Interactive Isometric Room (HTML, SASS)

[harsukhdeol.github.io/portfolio/isometric](https://harsukhdeol.github.io/portfolio/isometric)

JULY 2019

- Created an isometric room using 38 div tags and SASS to create a minimal and aesthetic 3D game that animated elements when clicked

### Personal Websites (React.js, Javascript, Three.js, HTML, SASS)

DEC 2018 - PRESENT

- Integrated APIs to create Recipe Book App and Random Quote Generator
- Created Markdown Previewer, Goal Tracker and Weather App with React.js
- Developed websites about biodiversity, quantum cryptography, and fashion with HTML, Bootstrap, JQuery

### Games (Javascript, C++)

[github.com/harsukhdeol/Number-game](https://github.com/harsukhdeol/Number-game)

FEB 2018 - APR 2019

- Coded a number game in JavaScript that displays numbers quickly and keeps score of how many times the user types the correct number
- Created single player rock-paper-scissors game to play against the computer with JavaScript
- Developed a game with obstacles and power-ups, in C++, where the player navigates a maze to find the hidden gem