


HARSUKH DEOL

 harsukhdeol.github.io/hkd/

 github.com/harsukhdeol

 codepen.io/harsukhdeol

 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)

<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/hkd/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++)

<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