

Engineering Co-op Program Faculty of Applied Science 2385 East Mall Vancouver, BC Canada V6T 1Z4 Phone 604 822 3022 Fax 604 822 3449 eng.coop@ubc.ca www.ubcengineeringcoop.com

# **Sanid Singhal**

**Electrical Engineering** 

#### **TECHNICAL SKILLS**

## **Electrical Equipment**

- · Arduino Kit
- Oscilloscope
- · Signal Generator
- Multi-meter
- Breadboard

## Computer/Software

- MATLAB
- C, C++
- Assembly
- HTML, CSS, Javascript, JQuery
- Ruby, Sinatra
- Python
- Git
- General Data Structures and Algorithms
- Solid Works
- Microsoft Office

## **Factory/Production Equipment**

- ICF Manufacturing Machines
- Packaging Machines for Large Boxes

### **ACADEMIC & CO-OP STATUS**

#### **Academic Program**

- Electrical Engineering; 2 of 8 academic terms completed
- Anticipated date of graduation: May, 2022

### **Co-op Status**

• Looking to Complete 1/5 Work Terms; available for 4 or 8 months beginning May, 2019

#### **CO-OP WORK EXPERIENCE**

N/A

## **TECHNICAL PROJECTS**

#### **Personal Website**

July 2018

• Built a professional website from scratch using web development tools and languages such as HTML, CSS and Javascript.

### **Finstagram Web Application**

June 2018

- · Designed a spinoff demo version of Instagram using both front end and back end web development skills.
- Incorporated the use of HTML, CSS, Ruby and Sinatra as well as SQL for database entry.
- Developed user interface with login, signup and uploading/ posting images capabilities in a very Instragram-esque layout.

Snake Game May 2018

· Developed Classic snake game on the web using Javascript.

**Simons Game** June 2018

Developed a memory game using a combination of Objective C and Data Acquisition(DAQ) simulator

### **OTHER WORK EXPERIENCE**

## Amvic Systems Manufacturing, Calgary, AB **Production Assistant**

May 2018

· Assisted in the manufacturing and packaging of insulated concrete foams used to build the foundations of homes and structures.

#### **VOLUNTEER WORK EXPERIENCE**

#### **Technical**

## **Assistant Programming Instructor**

Volunteered at Western Canada Hunan Association and assisted in teaching python computer language to children from age 12-17

## **High School Associations (Westmount Charter 2014-2017)**

#### **Event Coordinator for Student Athletic Awareness Club**

Involved in the production and setup for major athletic events. Collaborated to make graphical designs for posters and advertisements.

### **Community Volunteering**

## Disabled Care in the Rehabilitation Program at Carewest Health Facility

-Engaged routinely in caring for and spending time with a disabled patient at the Health Facility

#### **Canvasser for Canadian Diabetes Association**

## **Political/Government Volunteering**

### Active Canvassing and Statistical Analysis of Demographics for Progressive **Conservative Party**

Sorted demographical statistics about voting outcomes and predictions.

## **EDUCATION**

The University of British Columbia Bachelor of Applied Science - Electrical Engineering

**Expected Graduation May 2022** 

## **AWARDS**

Alexander Rutherford Scholarship Suncor Energy Scholarship

2017 2017-2021

#### PROFESSIONAL AFFILIATIONS/CERTIFICATIONS

## **ACTIVITIES AND INTERESTS**

## **Athletics**

- Core member of junior and senior basketball team from 2014-2017
- Junior Boys MVP of Basketball
- Weightlifting

## Music

• Guitar/Trombone

## **Programming**

- Interested in always learning new languages and creating new projects.
- All projects posted at my Github (https://github.com/sanids)