



# Sanid Singhal

Electrical Engineering Student (2<sup>nd</sup> Year)

An engineering student aspiring to solve critical and complex engineering problems as a young and dynamic thinker for growth and prosperity. A certified graduate of the Lighthouse Labs Web Development course with intermediate experience in application based, web based and object oriented programming. Heavily inspired by innovative technological advancements and associated applications in their ability to make society a better place and connection to the power of innovation, creation and automation initiative.

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## EDUCATION

**Bachelor of Applied Science -  
Electrical Engineering**  
**University of British Columbia**  
*2 of 8 academic terms completed*  
*Expected graduation: May 2022*

## SKILLS

### Electrical Equipment

Arduino Kit  
Oscilloscope  
Signal Generator  
Breadboard  
DeSoC-1  
FPGA

### Computer/Software

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

### Production Equipment

ICF Manufacturing Machines  
Packaging Machines

## WORK EXPERIENCE

### Assistant Programming Instructor (Part-time)

#### Western Canada Hunan Association

*June - August 2018*

*Calgary, AB*

- ◆ Taught basic and advanced Python computer programming language to children from age 12 to 17.

### Production Assistant

#### Amvic Systems Manufacturing

*May 2018*

*Calgary, AB*

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

## 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 front end and back end web development tools.
- ◆ Utilized HTML, CSS, Ruby and Sinatra and SQL in the development of the application.
- ◆ Developed user interface with login, signup and uploading images capabilities in a very Instagram-esque layout.

### Simons Game

*June 2018*

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

### Snake Game

*May 2018*

- ◆ Developed Classic snake game on the web using Javascript.

## PROFESSIONAL AFFILIATIONS/CERTIFICATIONS

- ◆ Certification in Lighthouse Labs Web-Development Course *2018*

## AWARDS

- ◆ Alexander Rutherford Scholarship *2017*
- ◆ Suncor Energy Scholarship *2017-2021*

## VOLUNTEER WORK EXPERIENCE

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### 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 in the care of disabled patient at the Health Care Facility

#### Canvasser for Canadian Diabetes Association

- ◆ Canvassed in the neighborhoods of Calgary to raise awareness and fund raising activities for the 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.

## ACTIVITIES AND INTERESTS

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### Athletics

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

### Music

- ◆ Guitar
- ◆ Trombone

## REFERENCES

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Available on request