

# PARTH ARORA

ELECTRICAL ENGINEER

partharora.com

## EXECUTIVE SUMMARY

University of British Columbia, Vancouver (Outstanding Intl. Student Scholar)

*BaSc. Electrical Engineering | Minor. Commerce | Co-op*

Electrical engineer and entrepreneurship enthusiast seeking a full-time position in a growth oriented environment.

My goal is to impact as many lives as possible through every endeavor of mine.

- Leadership
- Problem solving
- Project Management
- Communication

## FIELDS OF EXPERTISE

- SolidWorks/ AutoCAD/ NX
- Micro-controllers
- Oscilloscope
- PCB
- Soldering
- Sensors
- C/ SQL/ Python
- MATLAB/ SIMULINK
- Excel
- Lean manufacturing
- Electrical DFM

## CERTIFICATIONS:

- Chemical Safety Training
- WHIMS
- Laser Safety Training
- Amateur Radio Certified
- Machine Shop (UBC) certified

## MISC.

**Languages** English | Hindi | Punjabi | French (Basic)

**Interests** Calisthenics | Yoga | Guitar | Fine Arts

## WORK EXPERIENCE

### Lab 498

*Electrical Engineer- student | 2018-Present*

- Developing new IoT product- scalable interactive LED display
- Individual focus on topology (scale display size) detection and power supply using custom designed magnetic Pogo connectors

### John Deere | Hitachi

*Manufacturing Engineer (co-op) | 2017-2018*

- Developed manufacturing procedures (electrical routing, parts, covers) for CAN bus system using 3D models & electrical schematics
- Designed tooling solutions and testers that saved 3 hours/week on the assembly line
- Managed BOM, sequence of events and sub-item data on SAP

### Indian Oil Corp. Ltd.

*Maintenance & Operations Engineer (intern) | Summer 2014*

- Assisted with directing oil distribution through pipelines, on SCADA
- Prepared reference manual for operations and maintenance of pipelines and valves
- Redesigned maintenance timelines by analyzing past data

## PROJECTS & OTHER WORK

### Self- Powered Radio | Design Studio course, Summer 2016

Developed a basic Tuned Radio Frequency AM receiver powered by solar energy and designed enclosure for it

### Multi-functional Robot | Design Studio, Summer 2015

Developed a mobile robot that detected the color of obstructions and saved the movement data to display on computer GUI

### Rely | Founder | December 2018 - Present

Founded a social enterprise initiative to connect senior citizens with non-medical care takers to assist with daily tasks

### UBC Library | Project Assistant | 2018 - Present

- Undertake media projects to improve student experience
- Assist with providing technology support and inquiries at help desk

### Freelance Floor Plan Drafter | Vancouver, Summer 2018

Measured and drafted floor plans on AutoCAD for Vancouver homes and condos to be listed for sale ads

### Walk & Talk | Founder | New Delhi, 2014 - 2017

Founded NGO that held events (meditation, yoga, mental health talks, etc) for elderly citizens to improve their quality of life

### UBC Indian Student Assoc. | President, 2015 - 2016

Headed a team of 12 to run a 400 member club and increased the event turnover by 100%

## REACH ME AT:

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