

# ISHAAN AGARWAL

## Electrical and Computer Engineering Student

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**I like to solve problems.** As I progress through my career and education, I continue to be faced with challenging topics relating to technology and business. As a problem solver, I strive to reach innovative solutions with the utilization of my professional, personal, and educational experiences. These experiences include a co-op position at Deloitte involving strategic market analysis, personal projects in emerging technologies such as artificial intelligence and big data, and my ongoing engineering education.

## KEY SKILLS

<b>Product Management</b>	Trello, Agile, Scrum, UI/UX Design Market Strategy, Business Intelligence
<b>Software Engineering</b>	Python, C++, C, ARM Assembly, HTML, CSS
<b>Data Analysis</b>	Python (Numpy), Excel (Pivot, Macros, VBA) Tableau
<b>Business and Sales</b>	Client Service, Technical Sales, Business Process Improvement, Team Leadership

## EXPERIENCE

### Client Portfolio Analyst Intern May 2019 - Aug 2019 Deloitte Calgary, AB

- Collaborated with partners and market-leaders to identify knowledge gaps within the market development strategy for Deloitte Private. Resolved these gaps with the use of data-driven insights including the collection, extraction, and analysis of data. Resulted in a strengthened understanding of relevant direction and actionable focus areas amongst leadership.

**Skills Applied:** Data Analysis, Market Strategy, Business Intelligence

- Coordinated the project management of client portfolio by performing segmentation analysis for asset management. This involved workflow optimization for data analysis processes including automation of periodic reporting to facilitate quicker turn-around times of key performance indicators to management.

**Skills Applied:** Project Management, Business Process Improvement

### Engineering Intern May 2018 - Aug 2018 Exergy Solutions Calgary, AB

- Lead development of a 3D printed robot arm which was showcased as the potential of additive manufacturing. Presented at Global Petroleum Show, a multi-vendor sales event in Calgary.

**Skills Applied:** Python, SolidWorks, 3D Printing, Mechanical Design

- Created a visual presentation for COSIA (an oil sand innovation summit) inspiring industry professionals to use 3D printing technology as a sustainable tool for assisting and accelerating the prototyping process while reducing emissions and waste.

**Skills Applied:** Brand Marketing, Public Speaking, Graphic Design

## PROJECTS & ACHIEVEMENTS

### UBC Launchpad: Business Strategist

- As part of largest student-run software engineering team at UBC, led product management of machine learning software solution including strategy, roadmap, and feature definition

### RISC Machine

- Developed a Turing complete reduced instruction set computer with 16 operations including arithmetic, read/write memory, and branch instructions

### BeatTheStreet Investment Competition

- Won first place in city-wide investment simulation competition with a return of 128.92% resulting in a net worth of \$228,921.05 at the end of the 3-month competition

### Alberta Skills Competition Gold Medalist

- Unanimously won gold medal for competition in graphic design out of 17 top-competitors from across Alberta

### nwHacks and XdHacks

- Competed in nwHacks, a 24-hour hackathon with 700 competitors and developed an automated grading platform using React

## EDUCATION

**University of British Columbia**  
**Bachelor of Applied Science -**  
**Electrical Engineering (Co-op Program)**  
Vancouver, BC 2017 - 2022