

# Hamza Siraj

+1 (514) 434-5752 • [hamza.siraj1@gmail.com](mailto:hamza.siraj1@gmail.com)  
 1818 Rue Baile, H3H 1P4, Montreal, QC  
<https://www.linkedin.com/in/hsiraj/>

## SUMMARY OF SKILLS AND QUALIFICATIONS

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**Applications** | Microsoft Office • AutoCAD • CATIA • SolidWorks • Visual Studio • SAS Minor • SAS Guide • Arena  
**Programming** | C++ • Python (beginner) • Html (beginner) • MATLAB • CPLEX • SAS  
**Methodologies** | Lean Engineering/Manufacturing • Six Sigma • Project Management • Kaizen  
**Languages** | English | Spoken & Written • Arabic | Spoken & Written • French | Beginner & Basics  
**Licenses & Certifications** | Open Water diving license • Safe Serve Program (SSP) Certification

## EDUCATION

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### Bachelor of Engineering – Industrial Engineering

2016- 2021 (Expected)

Concordia University, Montreal, QC

- GPA 3.28/4.30
- Relevant Courses: Safety Engineering (A), Operations Research (A+) , Data Mining Techniques (A-), Programming for Mechanical and Industrial Engineers (A+).

## WORK EXPERIENCE

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### Production Engineer

June 2019 – July 2019

Pladis, Jeddah, Saudi Arabia

- Managed 2 fully automated production lines by setting achievable speeds in order to meet the forecasted demands for certain products.
- Calculated theoretical maximum speeds depending on which equipment was used.
- Studied what went wrong if the speeds were not achieved to bridge theoretical and actual.
- Helped train line workers to use the newly implemented MRP and barcoding system for products.
- Improved spaces with their implemented Kaizen and continuous improvement systems.

### Lean Trainee

July 2017 – Aug 2017

Bupa Arabia, Jeddah, Saudi Arabia

- Analyzed the information flow of multiple processes with the intention of digitization.
- Eliminated redundancies in and simplified multiple processes to be implemented in their ERP.
- Created functional templates to be used by multiple departments to simplify information flow.
- Initiated 3 other projects to study, simplify, and digitize internal and external processes.
- Worked with professional Lean/Six Sigma Black Belt professional.

### Business Development/Salesperson Intern

June 2017 – Sept 2017

Crate KSA, Jeddah, Saudi Arabia

- Since Crate is a start-up, I had a hand in everything.
- Manned the cash register to sell products.
- Promoted the company to new clients and acted as a spokesperson.
- Programmed the alpha version of their official website.

## PROFESSIONAL ASSOCIATIONS

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### VP Academic

May 2019 – present

Institute of Industrial and System's Engineering (IISE) Concordia Chapter

- Organize crash courses for classes and software applications such as Arena and OPL-CPLEX.
- Contact companies to provide industry grade workshops to university students of all engineering degrees.
- Provide students with plant and office tours to companies such as Bombardier and Canada Post.
- Organized multiple panels with one specifically on consulting for freshly graduated engineers with companies such as PWC, Accenture, Deloitte, and Munvo.

### Finance Lead

Sept 2017 – May 2018

Space Concordia – Mechanics

- Managed the budget set to our team for required parts.
- Discussed substitute materials with the mechanical team.
- Actively pursued companies for sponsorships in the form of monetary support, materials, parts, and access to industry grade workstations and tools.

## PROJECTS

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### Point-to-Point Cross Dock Delivery Simulation

Sept 2018 – Dec 2018

Concordia University, Montreal, QC

- Goal: Find the optimal logistics setup for a system where people place orders, farms involved prepare raw ingredients, then the correct orders get delivered to customers respectively.
- Programmed and animated a fresh produce delivery system straight from local farms to customers on the island of Montreal using Arena.
- Collected data on order variations and distributions through surveys.
- Found the most cost-effective set up based on the number of trucks, paths of trucks, and cross dock location.

### Consulting Case by Accenture

Nov 2019

Concordia University, Montreal, QC

- Participated in a consulting case competition provided by Accenture for 4 hours, placed 2<sup>nd</sup> place out of 6 teams.
- Studied and analyzed the case as a team of 4, decided on a financially feasible and realistic solution for the case to achieve the objective.

## VOLUNTEER WORK

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### Construction Worker

Oct 2014 and Dec 2015 (2 months)

Habitat for Humanity, Irbid, Jordan

- Planned for and built the main structure of 2 homes for homeless refugees on 2 different occasions with 2 different teams of 20 people in the months of October 2014 and December 2015.

### Organizer

March 2017

Computer Science Games at ETS, Montreal, QC

- Identified and delegated 24 organizers to key positions over the 3 days filled with events and competitions.
- Monitored events, resolved technical issues faced by competitors, all the while respecting the schedule

## INTERESTS

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### Reading

An avid reader of mystery and sci-fi books with a handful of novels.

### Sports

Concordia University's Ultimate Frisbee team; played in provincial and national tournaments.

### Passions

Music Production and Composition: Piano, Violin, Bass Guitar, Melodica, Ukulele.