

SEBASTIAN SAMAHA

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Professional Summary

As a forward-thinking 4th-year industrial engineering student, I am driven by the ambition to create an innovative project-solving company that integrates Six Sigma, custom-tailored to the unique demands of the industrial sector. My vision is to tackle complex challenges in major industries by harnessing cutting-edge technology. I am committed to building a diverse portfolio, cultivating valuable industry relationships, and making a substantial impact on the industrial engineering landscape. With proficiency in a range of software tools, I bring strong analytical skills and a deep enthusiasm to contribute to your organization's success.

Skills

Computer skills:

- Microsoft Applications, Excel VBA & Macro, C++/Arduino, CPLEX, ARENA, SolidWorks, Visio, Tableau, Basic SAP, Flutter Flow, SQL, CATIA, AutoCAD/FactoryCad, Power BI

Soft skills:

- Communication, Creative vision, Teamwork / Leadership, Problem-solving, Technical writing and data analyses, and Solution implementation, perfectly fluent in English, French, and Arabic.

Education

Bachelor of Engineering: Industrial Engineering, Expected in 05/2024
Concordia University - Montreal, CANADA

Work History

S&OP, 05/2023 to 08/2023 (Internship)

Agropur – Montreal, Canada

- During my internship at Agropur, I efficiently oversaw supply chain operations tracking weekly container shipments from diverse suppliers and optimizing the communication for arrivals between the warehouse and Montreal port. I also proficiently utilized Excel and the SAP software to prepare custom clearance reports integrated with the operational planning process. Additionally, I contributed to a critical climate control recorder project for delicate fine cheese products and gained exposure to Oracle software during a portion of my internship.

Traiteur / Waiter/kitchen help, 03/2022 to 05/2023 (Part-time)

Société Traiteur – Montreal, Canada

- Efficiently multitasked in a high-paced, luxurious environment serving catered food and drinks and attending guests to their designated places. Assisted in training new waiters, managing teams of 4 waiters, and over 250 customer interactions daily during events.

Assistant Brand Manager, 01/2019 to 01/2021 (Internship)

Balade Farms – Dubai, United Arab Emirates

- As an intern, I assisted with marketing and sales efforts by collaborating closely with the brand manager and providing suggestions for growth. I also had meetings with the company's executives and partners to discuss business strategies and opportunities.

E-commerce specialist, Social media manager, 12/2019 to 01/2020 (Internship)

Ofour – Dubai, United Arab Emirates

- During my internship, I worked closely with the company owner and gained a deeper understanding of daily business operations. I could observe the business's inner workings firsthand, which provided valuable insights and experience.

Projects

- **ACADEMIC SCHEDULE OPTIMIZATION SOFTWARE (Capstone-expected completion by 05/2024)**
- **EXCEL PROJECT MANAGEMENT DASHBOARD:** Using Excel and VBA, I created a dynamic project management dashboard. It starts with a user form for data input, which is then processed to display a Gantt chart, calendar, team member task progress, and task priorities. The dashboard also calculates estimated project completion days. In the "member tasks" section, you can track individual team member tasks and their statuses. This project showcased my expertise in Excel VBA, involving data manipulation and analysis, along with the use of advanced formulas.
- **ARDUINO PARKING SYSTEM CAPACITY MANAGEMENT:** Using my Arduino skills I created an innovative parking system. It featured two motion sensors that controlled the entry and exit gate via servo motors and had a capacity of up to 10 parking spaces. It counted vehicles entering and exiting on a digital display and signaled "parking full" with a red light when the parking area reached its capacity. This project demonstrated my technical ability and problem-solving skills in hardware and software integration.
- **AMAZON FBA:** In co-founding an Amazon FBA venture, I sharpened my skills, focusing on tracking product KPIs and optimizing shipments. We established an efficient packaging and inventory control setup for our monthly shipments to Amazon, showcasing process improvement and supply chain efficiency. I honed my data analysis skills using tools like Seller Amp and Keepa charts, while my strong organizational abilities, coupled with Excel, played a pivotal role in our success. As we pivot into the wholesale market, my commitment to ongoing learning and adaptability underscores my entrepreneurial spirit.
- **ARENA SIMULATION PROJECT:** The project was simulated using Arena Rockwell software to analyze and optimize the check-in and luggage transportation processes. The ultimate goal was to increase the overall efficiency of the airport.
- **ASSEMBLY LINE BALANCING MODEL DEVELOPMENT:** This project used an IBM CPLEX model to minimize assembly duration in a factory with a \$50000 budget and a precedence constraint for 12 tasks and 5 workstations. We used CPLEX and expert consultations to optimize task allocation and regularly adjusted the assembly line for efficiency. The project required problem-solving, data analysis, and software development skills.

Certifications

- **Goldman Sachs:** Software Engineering Virtual Experience Program with Forage.
- **Global Academy:** SQL Programming Basics
- **BCG:** Introduction to strategy consulting virtual experience program with Forage.
- **KPMG:** Data Analytics consulting virtual internship with Forage KPMG AU
- **IBM:** Robotic Process Automation- Basic. With Badge
- **Bloom Team:** The Complete Foundation Stock Trading Course
- **McGill:** Personal Finance Essentials

Volunteering:

- **DCSN:** Dubai Center of Special Needs event assistant
- **Borderlands:** Leadership program for fundraising