

Julien Pons

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SKILLS

- **Data Visualization and Analysis:** SAP, Power BI, Profitability analysis, Linear regression analysis
- **CAD and Design:** Catia V5, AutoCAD
- **Continuous Improvement tools:** SMV, 5S, Ishikawa diagram, PDCA, Pareto analysis
- **Programming:** JavaScript, Python, Solidity, React, HTML, CSS, MySQL, MATLAB, Virtual Basics
- **Industrial simulation and Modeling:** Arena, UML, EPC, BPMN, VSM

EXPERIENCE

RESEARCH ANALYST - BLOCKCHAIN AT MCGILL January 2023 - Current

- Spearheaded the development of several groundbreaking blockchain projects, encompassing platforms for sharing, innovative NFT collection frameworks, and advanced traceability systems.
- Authored a comprehensive article about blockchain consensus mechanisms, further enriching the academic discourse.
- Demonstrated proactive engagement within the Web3 community by participating in and organizing pivotal events, notably University of Waterloo's prestigious blockchain hackathon.

BUSINESS PROJECT - MP REPRO 2021-2022

- Collaborated as a consultant to design and develop margin analysis and inventory management tools tailored to precisely match with the specific operational requisites of the business.

ENGINEERING INTERNSHIP - CITY OF MONTREAL 2021

- Supported a team to implement a protocol for screening for the lead in drinking water and provide the appropriate recommendations.
- Engaged my technical expertise in crafting and implementing robust analytical frameworks. Leveraging tools such as dashboards and data visualization techniques, played a pivotal role in transforming complex water quality data into actionable insights.

INDUSTRIAL ENGINEERING INTERNSHIP - COOK IT 2021

- Undertook the task of conceiving and implementing a cutting-edge warehouse management system, employing cloud-based infrastructure and scanner technology. Enhanced the precision of stock quantification and streamline inventory procedures.
- Employed AutoCAD to meticulously reconfigure the warehouse blueprint into a precise 2D representation. This process facilitated a detailed mapping of the entire operational workflow, from goods reception to storage and retrieval.

UNIVERSITY PROJECTS - POLYTECHNIQUE MONTREAL 2018-2020

- Information System: Completed a data management system using MySQL and Access.
- Product Launch: Created a manufacturing range and simulate the launch by analyzing the market and the needs of clients.
- Design of a Distribution Plant: Conceptualized the entire facility and its workstations through proficient utilization CATIA V5.

EDUCATION

Polytechnique Montreal – Montreal, Canada

- *Bachelor of Industrial Engineering* 2017-2022
- *Research Master of Industrial Engineering (15/45 credits)* 2022-2024 (expected)

LANGUAGES

English, French and Hungarian – Fluent written and spoken, **Spanish** – Functional level

OTHERS

PolyAir Committee, Montreal, Canada 2022

- Vice President of the Drone section, managed drone training, offered conferences on the drone industry.

Summer Jobs, Montreal, Canada 2018-2020

- Seller at **Jack and Jones** | Mover at **Flex dolly** | Delivery man **Restaurant Deno's**