

# Jonathan Mehmannahavaz

LinkedIn: <https://www.linkedin.com/in/jonathan-mehmannavaz/>

GitHub: <https://github.com/JonaBaron>

Personal website: [JonaBaron.github.io](https://JonaBaron.github.io)

## SUMMARY OF SKILLS AND QUALIFICATIONS

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**Operating System** | Windows, Mac OS , Linux

**Software** | Microsoft 365, Teams, Adobe Suite, Visual Paradigm, Zoom, AutoCAD, SolidWorks, Altium Designer, GitHub, Apache web server, LaTeX, ModelSim

**Programming** | C/C++, Java, Python, JavaScript, HTML, CSS, PL-SQL, Node.js, Bash, Assembler, VHDL, PostgreSQL, TensorFlow, Keras, Scikit-learn, Agile (Scrum)

**Hardware** | Arduino, Allan-Bradley PLC, ARM processor, FPGA board, Oracle VM Virtual Box

**Languages** | French (written and spoken) and English (written and spoken)

**Licenses & Certification** | Valid driving permit in Quebec and International, Tensorflow for Deep Learning certification

## EDUCATION

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**Bachelor of Engineering - Computer Engineering Co-op** **2022 –2026 (Expected)**  
Concordia University, Montréal (Québec)

- Member of the Institute for Co-operative Education
- Relevant courses: Object-oriented programming with Digital system design.

**Technological Academic Path in Engineering** **2021 – 2022**  
École de technologie supérieure – ETS, Montréal (Québec)

- Relevant courses: Computer and Technical drawing for engineers with Programmable Logic Controllers (PLCs) and Sequential Logic.

**Diploma of College Studies in Pure Sciences** **2019 -2021**  
Cégep régional de Lanaudière à L'Assomption, L'Assomption (Québec)

**Secondary School Diploma (International Baccalaureate (IB) Program)** **2014 - 2019**  
Collège de l'Assomption, L'Assomption (Québec)

## WORK EXPERIENCE

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### **COOP Supervisor internship**

**September 2023 –December 2023**

Pratt & Whitney Canada, St-Hubert (Québec)

- Managed employees in a unionized environment by working closely with the supervisor (ensure smooth day-to-day operations, assign tasks, act as a resource person for the department).
- Acted as a leader to execute the change management project that touched the department while reducing non-quality.
- Led strategic initiatives to enhance productivity through KPI monitoring and implementation of RF scanning systems, resulting in continuous departmental improvements.

Core Competencies: Communication and presentation skill, autonomy, leadership, sense of priorities, initiative and diplomacy

### **Seasonal Sales Advisor**

**May 2022 - August 2022**

Réno-Dépôt, Charlemagne (Quebec)

- Consistently exceeded sales targets while maintaining high customer satisfaction through efficient problem-solving, effective inventory management, and strong organizational skills.

Core Competencies: Oral Communication, Teamwork **Computer Associate**  
**August 2021**

**June 2021 -**

Bureau en Gros(Staples), Joliette (Québec)

- Used technical expertise to drive top computer sales in Montreal through comprehensive customer support, including setup, phone assistance and initial contact to purchase completion.
- Demonstrated leadership capabilities by successfully managing team operations and sales targets during management absence while maintaining high service standards.

Core Competencies: Oral Communication, Adaptability, Teamwork, Attention to Detail

## **Projects**

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### **TensorFlow for Deep Learning Bootcamp Projects**

**December - January 2025**

- Participated in a Udemy course to build multiple models using TensorFlow, Keras and Scikit-learn on Python using Google Colab platform.
- Built neural network for regression, classification, computer vision, natural language processing and time series projections.

Core Competencies: Self-taught, Data Science, Problem-solving Mindset, ML/AI Developments

### **Introductory Engineering Team Design Project**

**September - December 2024**

- Led a autonomous hovercraft development with 5-person team, utilizing Arduino, Blender, SolidWorks Fluid Simulation, Matlab and embedded programming.
- Managed full project lifecycle from design to competition and achieving successful autonomous navigation demonstration.

Core Competencies: Autonomous Systems Design, Embedded Code Design, Team Leadership, Project Management, Technical Documentation Competencies

### **Software Process and Practices Project**

**September - December 2024**

- Led development of a comprehensive peer assessment platform with 7-person team, utilizing Node.js, Express.js, and PostgreSQL for backend architecture and EJS with Bootstrap for frontend design.
- Managed agile development process through 4 sprints, coordinating cross-functional team tasks and delivering incremental improvements based on stakeholder feedback.

Core Competencies: Full-Stack Development, Agile Project Management, Web App Design

## **VOLUNTEER WORK AND EXTRA-CURRICULAR ACTIVITIES**

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### **International Solidarity Trip to Guatemala**

**April 2019**

- Participated in community work and activities such as building concrete floors, working with underprivileged youth, and setting up games for Guatemalan seniors.

### **Youth Committee for Amnesty International**

**2016-2017-2018**

- Participated in Amnesty International events and info booths at Collège de l'Assomption, supporting fundraising, awareness, and advocacy for human rights.

### **Knights of Columbus**

**2015-2016**

- Contributed to community events by volunteering at the Knights of Columbus in St-Sulpice.

## **INTERESTS**

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### **Football Team "Les Sphinx"**

**2017, 2018, 2019**

- Regional RSEQ gold and silver medal winner.

### **Basketball Team "Les Sphinx"**

**2015-2016**