

# Sara Andari

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## EDUCATION

### Bachelor of Computer Engineering (B. Eng.)

McGill University

Montreal, Canada  
Sept 2022 - May 2026 (Expected)

Relevant Coursework: Software Engineering Practice, Operating Systems, Electronics, Engineering Economy

### Exchange - Licence Informatique (UFR Mathématiques et Informatique)

Université de Strasbourg

Strasbourg, France  
January 2025 - May 2025

Scholarship: Antje Graupe Pryor International Award in Engineering

## SKILLS

**Programming Languages:** Python, Java, C, Unix/Shell scripting, HTML, CSS, ARM Assembly, PHP, JavaScript

**Frameworks/Tools:** Spring Boot, PostgreSQL, GitHub, IntelliJ, VS Code, Eclipse, PyCharm, Vim

**Hardware:** STM32 microcontroller (ARM Cortex-M), Arduino, Raspberry Pi, soldering, 3D printing

**Languages:** Fluent in French, English, Krio; Conversational in Arabic

**Soft Skills:** Adaptable, collaborative, determined, creative, curious, communicative

## PROFESSIONAL EXPERIENCE

### Atlas Copco Compressors Canada

Technical Support Intern

Montreal, QC  
May 2024 - September 2024

- Resolved technical support tickets, including special parts and service list requests
- Collaborated with service teams on warranty claims and Engineering Change Bulletin (ECB) follow-ups
- Managed and maintained documentation across internal SharePoint channels

### Applied Systems Design & Analysis (ASDA) Inc.

R&D Intern

Montreal, QC  
May 2023 - July 2023

- Conducted architectural research and reviewed 100+ pages of energy modeling documentation to propose improvements
- Contributed to design of an Energy Calculator using Excel, HTML, and internal CODERS/SPINE databases

### The Factory - Hardware Design Lab

General Manager and Communications Lead

Montreal, QC  
Sep 2022 - May 2023

- Led workshops and trained peers on lab equipment (soldering, PCB, 3D printing)
- Organized and promoted hackathons and technical events; managed social media and marketing content reaching 500+ students

## PROJECTS

McGill University

**Capstone (in progress)** - Developing an open-source benchmark to evaluate LLMs' ability to generate code from domain models

**Online Game Store Management System** - Built Spring Boot/PostgreSQL web app for video game shop inventory and orders

**Autonomous Robotics System (Design Principles and Methods)** - Designed and programmed an autonomous fire-detecting robot in Python using sensors and grid navigation

Université de Strasbourg

**AI Model Aggregation for Improved Learning** - Implemented decision trees and bagging ensemble in Python to improve generalization across models

**Portfolio Website** - Responsive portfolio built with PHP, HTML, CSS, and JS (<https://sara-andari-portfolio.onrender.com/>)

## OTHER EXPERIENCES

**La Bête à Pain** - Waitress and Cashier

June 2022 - Sep 2022

**L'Oréal** - Hair Model: Top 6 in Canada for "Color & Style Trophy"

May 2022 - Aug 2022

**Marianopolis** - Physics Grader

Aug 2021 - June 2022

**Centre of Dreams and Hopes** - Camp Monitor for Special Needs Clientele

June 2021 - Sep 2021