

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

Scholarship: Antje Graupe Pryor International Award in Engineering

January 2025 - May 2025

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