Sara Andari

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EDUCATION

Bachelor of Computer Engineering (B. Eng.) — Montreal, QC
McGill University — Sept 2022 - May 2026 (Expected)
Exchange - Licence Informatique (UFR Mathématiques et Informatique) — Strasbourg, France
Université de Strasbourg — January 2025 - May 2025
DEC: Pure and Applied Sciences
Marianopolis College — Montreal, QC
Dean's List - 2020-2022 Cohort — Aug 2020 - May 2022
DES: Domain of Science and Technology
Collège Regina Assumpta — Montreal, QC
Music String Orchestra Program & Honour Roll - 2018-2020 Cohort — Aug 2015 - June 2020

SKILLS

Programming Languages: Python, Java, C, Unix/Shell scripting, HTML, CSS, ARM Assembly
IDEs: Visual Studio Code, IntelliJ, Vim, PyCharm, Arduino, Thonny, Eclipse
Collaboration Tools: GitHub, Airtable, PostgreSQL
Hardware: Soldering, 3D Printing, PCB milling, Raspberry Pi
Languages: Fluent in French, English, Krio; Conversational Proficiency in Arabic
Soft Skills: Adaptable, social, detail-oriented, creative, determined, efficient

ENGINEERING EXPERIENCE

Atlas Copco Compressors Canada — Montreal, QC
Technical Support Intern — May 2024 - September 2024
- Resolved Level 1 technical support tickets, including special parts and service list requests
- Collaborated with service teams on warranty claims and ECB (Engineering Change Bulletin) follow-ups
- Managed and maintained documentation in internal SharePoint channels

Applied Systems Design & Analysis (ASDA) Inc. — Montreal, QC
R&D Intern — May 2023 - July 2023
- Performed pre-feasibility analysis and design of the Energy Calculator using Excel, HTML, CODERS DB, and SPINE
- Conducted in-depth research and formulated architectural proposals for the tool
- Advised and assisted in data collection efforts for the energy model

The Factory - Hardware Design Lab — Montreal, QC
General Manager and Communications Lead — Sep 2022 - May 2023
- Coordinated with other members to organize and promote events, such as workshops and hackathons
- Managed all of The Factory's various social media and created engaging infographics and marketing materials
- Held weekly office hours where I trained other students to use our equipment and answered their questions

PROJECTS

McGill University

Independent Game Shop Web - *Intro to Software Engineering* — Fall 2024
Built Spring Boot/PostgreSQL web app for video game shop inventory, orders, approvals
Fire-Fighting Robot Prototype - *Design Principles and Methods* — Fall 2023
Built autonomous firefighting robot prototype using Python, sensors, grid navigation
Arduino line-following robot - *ForgeMcGill Hackathon* — Jan 2023
Built a line-following robot using limited tools (chassis, breadboard, IR sensors, an Arduino board, etc.)

OTHER EXPERIENCES

La Bête à Pain / Waitress — 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