Sarah Daccache

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems │Windows 10 • IOS • Linux

Applications │JetBrains: IntelliJ IDEA • PyCharm │Microsoft Office: Power BI • Power Automate • Excel• Eclipse

Programming │Java • Python • C++• JavaScript • HTML5 • CSS • SQL •

Other │Visual Studio • GitHub • UML • JSON • Debugging• Arduino

Languages │French│Spoken & Written • English│Spoken & Written • Spanish │ Basic Speach

Licenses & Certifications│ Excel Training Certificate of Completion • Valid driving permit

EDUCATION

Bachelor of Engineering – Software Engineering Co-op   **2022- 2026 (Expected)**
Concordia University, Montreal, QC
- Member of the Institute for Co-operative Education
- Relevant Courses: Object-Oriented Programming I and II, Web Programming, Data Structures and Algorithms, Operating Systems, Software Process

DEC in Health Science   **2022**
Collège Bois-de-Boulogne, Montréal, QC

International Baccalaureate intermediate academic certificate   **2020**
École d'éducation internationale de Laval, Laval, QC

WORK EXPERIENCE

Software Engineer Intern   **August 2023 – December 2023**
Bombardier, Dorval, QC
- Developed a **Python** program that automated the comparison of data between a **MS Access database** and corresponding PDF files using **OCR** technology, generating detailed discrepancy reports. This innovation significantly reduced the manual monthly review process, saving over 3 hours per month for the Service Engineering team's managers.
- Developed a **Python** program featuring a **user-friendly GUI** for automatic data extraction from Bombardier's training platform, streamlining data collection. Utilized **Power BI** to create dynamic, visual reports, enhancing training management for 7 teams (~70 members) by providing customized, actionable insights.
- Actively participated in the Women in Engineering Career Launch Experience, serving as the team captain for a school outreach project aimed at teaching fundamental engineering concepts to students while promoting diversity in the engineering field. Demonstrated strong leadership, guiding the project to success.

References: Available upon request.
Core Competencies: Creative Thinking, Problem Solving, Autonomy, Back-end Development, Intuitive User Interface, Leadership

Hostess   **May 2021– March 2023**
La belle et la bœuf Burger Bar, Laval, QC
- Efficiently managed the reservation system, ensuring an **organized** and seamless flow of guests to their tables.
- Demonstrated **composure** and **professionalism** with coworkers and guests when working under pressure.
- Collaborated effectively within large teams, showcasing strong **teamwork** and **leadership** skills.

Core Competencies: Oral and written communication, Adaptability and flexibility, Teamwork

PROJECTS

Snakes and Ladders Game (Academic and Personal)   **2023**
Concordia University, Montreal, QC
- Designed and developed a fully functional Snakes and Ladders game using **Java** and **object-oriented principles,** encompassing game logic, **user interface**, and user input/output functionalities.
- Demonstrated a commitment to excellence by surpassing the assignment requirements. Conducted personal research to create an interactive and visually engaging representation of the game board within the console.

Core Competencies: Critical thinking, Problem assessment and analysis, Adaptability

Conuhacks Hackathon (Personal)   **2023**
Concordia University, Montreal, QC
- Participated in a National Bank challenge focused on creating a visual representation of a **JSON** database.
- Collaborated within a team of four, showcasing leadership abilities and strong teamwork.
- Successfully contributed to the **front-end development** having 24h.
- Used **HTML5, CSS**, and **JavaScript** to craft an engaging and functional user experience.

Core Competencies: Problem-solving, Time management, Teamwork, User Experience

Interactive File Organization Program (Academic)
Concordia University, Montreal, QC
- Created a **Java** program to efficiently manage unorganized book records using **Linked List** and **Array Lists.**
- Designed and intuitive console interface for the different actions possible.

Core Competencies: Problem-solving, Creativity, Data structures.

Pet Adoption Website (Academic and Personal) 2023
Concordia University, Montreal, QC
- Created an interactive website for a fictional dog adoption agency using **HTML5, CSS, JavaScript** and **PHP**.
- Developed the website structure, intuitive **user interface**, and implemented user input and output functionalities.

Core competencies: Front-end Web Development, User Experience Design, Continuous Learning.

AWARDS & DISTINCTIONS

''Inquirer'' attribute from the IB learner's profile   **2020**
Recognized by the IB school board for demonstrating a passion for acquiring knowledge and curiosity.

VOLUNTEER WORK

Member of the community   **2015-2021**
École d'éducation internationale de Laval, Laval, Qc
- Completed more than 100 hours of volunteer work with multiple non-profit-making associations such as *Centraide, Héma-Québec, Opération Enfant Soleil* as well as in different long-term care and schools.

Note taker   **2021**
Collège de Bois-de-Boulogne, Montreal, Qc
- Helped classmates in need by providing complete and clear notes of class lectures.

INTERESTS

Sports	Cheerleading: Athlete in winning competitive team in the COP BRANDS Magical Championship of The World
Experience Abroad	Visited more than 10 countries across Europe, South America and Asia**.**
Passions	Music: Played piano since 2016 and participated in multiple competitions.