

RALPH ELHAGE

SOFTWARE ENGINEERING STUDENT

ralphdev.com

✉ ralph@ralphdev.com

in [@Ralph Elhage](#)

SKILLS

Programming Languages	[Java – Python – JavaScript – C – SQL]
Tools & Frameworks	[HTML/CSS – Git – Postman – MongoDB – React.js – Express.js – RPyC – VSCode – IntelliJ – Eclipse – Office365]
Operating Systems (+ CLIs)	[Windows – Linux – MacOS]

EDUCATION

Bachelor of Engineering 2021 - 2025 (Expected)
Software Engineering Concordia University - Montreal

College Degree (DEC) 2016 - 2019
Social Sciences Collège de Bois-de-Boulogne - Montreal

WORK

Software Developer 2023 - Current
National Research Council of Canada (NRC) Montreal

- **Python** development of **drone traffic management system (RTM)** following **Agile** Scrum methodology.
- Implemented **back-end** services **server-side** for clients to use in a **distributed system** environment.
- Optimized the performance of RTM for **real-time applications** and **live data streams**.

✓ **Tech Stack:** Python – RPyC – Git – PowerShell – Office365

Software Developer Intern 2022
Al-Majd Montreal - Dubai

- **Python & JavaScript** development following **Agile** scrum methodology, XP pair programming with senior software developer with 15+ years of experience.
- Worked on **server/client** communications in **cryptocurrency trading systems** following the **HTTP** protocol, utilizing **npm modules** such as **Express.js** & testing **RESTful APIs** using **Postman**.
- Tested software for bugs and **algorithmic efficiency**, fixing bugs and documenting processes.

✓ **Tech Stack:** JavaScript – Python – Node.js – Express.js – Postman – MongoDB – HTML/CSS – React.js – Git – PowerShell – Office365

Information Technology Consultant 2021 - 2022
CGI Inc. Montreal

- **Solved 1000+ software issues** of any of 16 000+ employees over 8 months period.
- Utilized ServiceNow **ticketing system** to **document 2500+ computer issues** and assign them to resolution.
- Assisted with the **training** process of onboarding employees.

✓ **Tech Stack:** ServiceNow – PowerShell – Office365 – HTML/CSS – JavaScript

PERSONAL PROJECTS *(See ralphdev.com for full list, code, & details)*

Software Procurement System

Full-Stack Web Application

[GitHub-Repo](#)

- Created as a better alternative to CGI's current setup; implementing my custom take on a software request and approval system, allowing employees to place requests for acquiring software and their managers approving/denying such requests.
- Explores **RESTful APIs**, **HTTP**, **server-client** architecture, **data structures & algorithms**, **NoSQL databases**, **authentication & authorization**...

✓ **Tech Stack:** HTML/CSS – JS – Node.js – Express.js – MongoDB

PC Arcade Games

Full-Stack Web Application

[URL](#) & [GitHub-Repo](#)

- Single page website containing classic PC games such as Pong, Snake, TicTacToe...
- Demonstrates understanding of the **DOM**, where Game **UIs** are dynamically generated respectively to **ES standards**, all in **OOP** fashion.

✓ **Tech Stack:** HTML/CSS – JS

Moshified.com Clone

Front-End Website

[URL](#) & [GitHub-Repo](#)

- Faithful replication of the modern corporate website Moshified.com.
- Illustrates mastery of **web development fundamentals** (HTML/CSS), **conventional structure** and **practices**, such as Object-Oriented CSS.

✓ **Tech Stack:** HTML/CSS – JS

Library of 25+ Academic Deliverables

Back-End

Email me : ralph@ralphdev.com

- A range of academic projects completed throughout my academic curriculum.
- Involving **OOP**, **data structures**, **algorithms**, **multithreading**, **databases**...

✓ **Tech Stack:** Java – Python – JavaScript – C – SQL

CLOSING OVERVIEW

Hi! I'm a 4th year Software Engineering student with 7+ years of Full-Stack programming experience.

My expertise spans diverse technologies, including Java, Python, JavaScript, and C, with experience with both SQL and NoSQL databases across multiple software development roles.

I take pride in my willingness to learn and my ability to innovate, exemplified by personal projects and professional assignments in high-tech environments.

Outside of work, I enjoy chess, snowboarding, table-tennis, and soccer, blending strategic thinking and an active lifestyle.

Proficiency in English, French, and Arabic – all written and spoken – further complements my professional profile.