




# NICHOLAS MARTOCCIA

Lachine, Quebec

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## SUMMARY

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As a third year computer science student, who is perseverant, hard-working, who works well in group settings. Who is able to adapt to new situations and challenges. In academics, who attempts to stand out by working hard to learn as much as he can.

## EXPERIENCE

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### Rental Advisor

June 2020 – Present

*Location d'Outils Simplex*

- Collaborated in teams of 3-15 people across various stores throughout the island of Montreal, emphasizing smooth client service and effective complaint resolution with personalized solutions.

### Lead Programmer Robotics Club

January 2022 - Present

*Champlain College Saint-Lambert*

- Competed and represented my school in CRC Robotics competitions. Participated as programmer of the robot (Arduino C++) and leader of the Java programming challenge team.

### Front-end Software Developer Intern

June 2022 – August 2022

*University Of Sherbrooke, Quebec*

- Built and developed web components using TypeScript and the Lit framework for a federal research on computational critical thinking and logistic.

### Participated in the Collegiate Penetration Testing Competition

November 2022

*Concordia University*

- Participated as team captain of the pen testing team.

## EDUCATION

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### Technical Program Degree in Computer Science Technology

Sep. 2021 – In Progress (Expected 2024)

*Champlain Regional College, Saint-Lambert, Quebec*

Dean's list: Winter 2022, Fall 2022, Winter 2023, Fall 2023

## PROJECTS

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### Pet Clinic

September 2023 - December 2023

*[github.com/cgerard321/champlain\\_petclinic](https://github.com/cgerard321/champlain_petclinic)*

- Collaboratively crafting a full-stack web application for a fictional pet clinic, implementing appointments, user profiles and inventories
- Leveraging micro-services and a diverse array of technology stacks and platforms. Using Spring Boot, Angular, MySQL, MongoDB, Jira and GitHub

github.com/nic5694/Moving-Express

- Over a span of 6 months, my team and I diligently analyzed, implemented, and deployed the entire system, documenting each step with detailed diagrams including use case diagrams, sequence diagrams, integrated class diagrams, and domain-driven design diagrams. This system, built for a moving company, enables inventory tracking, customer notifications, shipment manifest creation, and billing report generation. The application features authentication via Auth0, a comprehensive CI/CD pipeline, a Spring Boot backend, and a React.js frontend utilizing the Tailwind CSS framework.

Library Manager

December 2022

github.com/nic5694/LibraryManager

- Built a full stack web application using a REST API with Spring Boot and the React front-end framework.

ChatRoom

May 2023

github.com/nic5694/ChatRoom

- Developed a comprehensive Chatroom Application using React, Laravel, and MySQL. This application enables users to seamlessly communicate with others on the same network. Featuring robust authentication, the app also facilitates user sign-up.

Eco Smart Home Hub

December 2023

github.com/nic5694/EcoSmart\_Home\_Hub

- The EcoSmart Home Hub project is a small-scale smart home system implemented on a Raspberry Pi through GPIO. It leverages Flask as the backend framework and React as the frontend library, providing users with seamless control of lights, fans, and real-time environmental monitoring. The Flask backend handles data processing and user authentication, while React communicates with RESTful APIs for a responsive user interface, all prioritizing security with authentication mechanisms.

TECHNICAL SKILLS

<b>Languages:</b> Java, C++ (Arduino), JavaScript, TypeScript, Python, C#(.NET), Kotlin, PHP, Swift	SwiftUI	MySQL, PostgreSQL
<b>Frontend:</b> ReactJS, Lit, HTML5, CSS, Bootstrap, TailwindCSS,	<b>Backend:</b> Spring Boot, Laravel, Express.js, Flask	<b>Networking, Servers &amp; O.S.:</b> Linux {Ubuntu}, Bash Scripts, VirtualBox
	<b>Database:</b> SQL, PL/SQL, T-SQL, MS SQL, Oracle, MongoDB,	<b>Other:</b> Docker, Github, Git, Jira

LANGUAGES

French English