

# François Martinez

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## SUMMARY OF SKILLS AND QUALIFICATIONS

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**Operating Systems** | Windows 10 • Windows 11 • Mobile • Linux**Applications & Tools** | Visual Studio Code • Eclipse • IntelliJ • WebStorm • PyCharm • Android Studio • GitHub**Methodologies** | Agile • Scrum**Programming** | Java • Python • JavaScript • Html • CSS • MongoDB • Express • ReactJS • Node.js • C (beginner)**Languages** | French | Spoken & Written – fluent • English | Spoken & Written – fluent**Licenses & Certifications** | Valid driving permit

## EDUCATION

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**Bachelor of Engineering – Software Engineering Co-op****2024-2027 (Expected)**

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- GPA 3.87/4.30
- Relevant Courses: Object Oriented Programming, Web Programming, Data Structure and Algorithms, Software Process and Practices

**DEC in Natural Science****2023**

Bois-de-Boulogne College, Montreal, QC

## PROJECTS

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**MERN Full Stack Paper Trading platform (Personal)****2024**

- Co-created and developed a paper trading platform allowing users to simulate trading U.S. equities using real-time market data provided by the Finnhub API.
- Designed a dynamic and interactive user interface with React.js, enabling users to manage trades and track their performance in a risk-free environment.
- Implemented the backend using Node.js and Express to handle server-side operations and MongoDB for data management.
- Collaborated using GitHub for version control, enabling teamwork and continuous integration throughout the development process.

**Full Stack Pet Adoption Service (Academic)****2024**

- Designed and developed a web application for a Pet Adoption Service, enabling users to register and manage pet listings.
- Developed user registration, pet information storage, and dynamic content rendering using EJS templates, which improved the user interaction and data management processes.
- Accomplished the full implementation of the application by integrating Node.js and Express, enhancing the back-end functionality.

**Machine Learning Market Forecaster (Personal)****2024**

- Developed a market forecasting tool that predicts Bitcoin and S&P 500 prices using machine learning models based on historical data.
- Utilized multiple Python libraries including pandas, yfinance, scikit-learn, and matplotlib to gather, preprocess, and analyze financial data.
- Designed a back testing mechanism to evaluate model predictions, ensuring robust and reliable forecasting over time.

**Java Othello Game (Academic)****2024**

- Developed a fully functional Othello game in Java, implementing the game's core mechanics, including move validation, piece flipping, and board state management.
- Utilized Java, Object-Oriented Programming principles, and UML class diagrams to design and implement a scalable and maintainable architecture.

**WORK EXPERIENCE**

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**Barista****June 2022 – July 2023**

Van Houte, Montreal, Quebec

- Collaborated closely with team members to ensure smooth operations during busy periods, enhancing team efficiency and customer service quality.
- Trained new employees in coffee preparation techniques and customer service protocols, fostering teamwork and a supportive work environment.

**Customer Service Associate****June 2020 – September 2021**

Couche-Tard, Montreal, Quebec

- Entrusted with handling daily cash deposits, ensuring accuracy and compliance with company procedures, which reflected a high level of trust and responsibility.
- Managed cash transactions and ensured clear communication with clients to resolve issues, understand their needs, and provide solutions.

**AWARDS & DISTINCTIONS**

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**RSEQ Méritas****2023**

Men's Volleyball D2, Bois-de-Boulogne College

- Recognized as a student-athlete maintaining a general average above 80% in the Natural Science program.

**INTERESTS**

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**Sports**

I played Basketball throughout my high school years and played Volleyball in CEGEP, where I developed strong teamwork skills and the ability to collaborate effectively with others under pressure.