

Daniel Salinas
Montréal, QC
Member of the Conjure Club

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French, English, Spanish

EDUCATION

Bachelor of Engineering in Software Engineering
Software design, algorithms, data structures
École de technologie supérieure (ÉTS), Montréal, QC

Since 2024 (Expected 2028)

Diploma of College Studies (DEC) in Computer Science
Programming and software development
Collège Lionel-Groulx, Sainte-Thérèse, QC

2024

SPECIAL KNOWLEDGE

Programming Languages:

C++, Java, C#, JavaScript, PHP, SQL, Kotlin, Lua

Technologies and Environments:

OpenGL, Qt 6, Node.js, Express, Socket.IO, Android (Jetpack Compose), Unity, JavaFX

Databases and Tools:

MySQL, Firebase, Git, GitHub, GitLab, XAMPP, CMake, Maven

Operating Systems and Virtualization:

Linux, Windows, VMware, VirtualBox

Concepts:

Object-oriented programming, design patterns, data structures, algorithms, computer graphics, software testing, unit testing, REST APIs, client-server architecture

Methodologies:

Agile, Scrum, DevOps, Kanban, Waterfall, Test-Driven Development (TDD)

WORK EXPERIENCE

Customer Service Clerk
Jean Coutu, Montréal, QC

2023 – 2024

- Greet and serve customers professionally
- Process cash register transactions with precision
- Ensure product shelving and organization
- Maintain store cleanliness and order

Skills developed:

Customer communication, responsibility, time management, stress management

ACADEMIC PROJECTS

Real-Time Online Chess Platform (End-of-Session Project)

2025

- Design and implement a real-time multiplayer chess web application
- Develop a client-server architecture using JavaScript and WebSockets
- Design data persistence for games and users
- Collaborate within a team in a structured academic context

Testing, Maintenance and Enhancement of a Banking Application (Java)**2025**

- Analyze an existing banking application to identify defects
 - Design and execute unit and functional tests
 - Fix anomalies and improve code maintainability
 - Apply best practices for software testing and maintenance
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PERSONAL PROJECTS**Web Dashboard Connected to Google Calendar API****2024**

- Design a web dashboard to visualize and manage Google Calendar events
- Integrate Google Calendar API for real-time data retrieval and display
- Develop the user interface using HTML, CSS, and JavaScript
- Structure the application to separate presentation logic and application logic

Mandelbrot Fractal Visualizer (C++ / OpenGL)**2025**

- Design and develop a graphics rendering engine in C++ with OpenGL
 - Visualize complex mathematical structures from simple rules
 - Optimize computation performance and real-time rendering
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ADDITIONAL TRAINING, CONTINUING EDUCATION OR PROFESSIONAL DEVELOPMENT**Hackathon Participation (Android and Web Development)****2024 – 2025**

Technology events, Montréal, QC

- Design and develop functional applications within a limited timeframe
- Work in a multidisciplinary team under pressure
- Achieved 3rd place in a university hackathon among several teams