

# HAMZA OUMEZIANE

Software Engineer

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<https://www.linkedin.com/in/hamza-oumeziane/>

<https://github.com/HamzaOumeziane>



## OBJECTIVE

Computer Science student seeking to leverage my skills in programming, problem-solving, and database management in a software development role. Passionate about continuous learning, I am eager to contribute to innovative projects and refine my technical skills while adding value to the team.

## PROFILE

- Creation of dynamic and static websites with admirable design.
- Development of user interfaces with WPF (.NET)
- API integration.
- Database management (CRUD).
- Object-oriented programming.
- Analytical and problem-solving skills.
- Ease of collaboration in a team.
- Excellent adaptability, methodical, punctual, and meticulous.

## SKILLS

- **Programming:** C#, Java, Python, JavaScript, Kotlin, SQL, PL/SQL, XAML
- **Web Technologies:** Node.js, ExpressJS, EJS, React, Bootstrap, HTML5, CSS3
- **Databases:** MySQL, Oracle, MongoDB
- **Development Tools:** Visual Studio Code, Unity, GitHub, Docker, NetBeans, IntelliJ, Visual Studio, VirtualBox, Figma
- **Design Patterns:** MVC, MVVM, Observer, Singleton, State, Strategy
- **Office Software:** Microsoft Office

## PROFESSIONAL EXPERIENCE

### Academic Tutor in Computer Science

Collège de Bois-de-Boulogne | Sept 2023 - Present

- Provide educational support to computer science students.
- Assist in understanding programming concepts and problem-solving.
- Ability to explain technical concepts clearly.
- Strong communication skills.

### Technical Debugger

Collège de Bois-de-Boulogne | Nov 2023 - June 2024

- Assisted students in debugging their code and installing necessary software for their courses.
- Worked efficiently by helping others.

### Merchandise Clerk

Browns Shoes | Sept 2022 - Present

- Keep the stockroom clean and organized.
- Receive/unpack boxes.
- Transfer merchandise to other stores.

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## EDUCATION

### **Diploma of College Studies - Computer Technology - Software Engineering**

Collège de Bois-de-Boulogne, Montreal, QC  
2022 – 2025

### **High School Diploma**

Lycée Mahmoud Mentouri, Algiers, Algeria  
2022

## LANGUAGES

- English: Advanced
- French: Very advanced

## ACADEMIC PROJECTS

### **Energymize (Interactive Application, Full Stack Website)**

- Development of a training planning application.
- Team project with 4 people.
- Used Node.js, Express, and MongoDB for data management.
- Designed an intuitive user interface with EJS and Bootstrap.
- API integration (Google, PayPal).

### **Farm Management (Video Game)**

- Creation of a farm management game, made in 2 parts, with Unity C#.
- Manipulation of design patterns.

### **AI extension with Excel (ongoing)**

- Project under development with 4 people.
- Integration of artificial intelligence into an Excel extension.
- Respond to prompts requested by the user and make changes in the Excel spreadsheet.

### **Library Management (Desktop Application)**

- Used WPF for the user interface.
- Data manipulation on an XML file.
- Used MVVM architecture.

Other mini-projects are available on my GitHub.

## REFERENCES

References available upon request.