

Maher Akremi

Phone: 613-890-3934 | Email: akremimaher29@gmail.com | GitHub: github.com/maherakr

Education

Computer Engineering Technology - Computing Science

Algonquin College, Ottawa ON

Graduated: August 2024

Relevant Courses:

- Object-Oriented Programming (Java, C++)
- Database Management (SQL, PostgreSQL)
- Operating Systems (Windows, Linux, QNX)
- Networking (Wireshark, Cisco Packet Tracer)
- Web and .NET Enterprise Application Development
- Software Design and Testing
- Real-Time Programming
- Game Programming
- Data Structures & Algorithms
- Numerical Computing
- Technology Report Preparation
- Project-Based Software Development

Technical Skills

- **Programming Languages:** Java, C++, C, SQL, Python, C#
- **Full-Stack Development:** ASP.NET, JavaScript, HTML, CSS, Android Development
- **Database Management Systems:** PostgreSQL, SQLite, Azure Database
- **Operating Systems:** Windows, Ubuntu, Linux, QNX
- **Software Tools:** Visual Studio, Eclipse, Android Studio, Swagger API, Git (local & cloud)
- **Embedded Systems:** Interfacing, Processor Architecture
- **Development Methodologies:** Agile, Object-Oriented Design

Projects

Solar System Project (Full-Stack Development)

- Tools: C++, R, SQLite, Git (local & cloud)
- Developed both **backend (C++)** for calculating planetary positions and **frontend (R Shiny)** for visualization
- Stored astronomical data in a database and retrieved coordinates for visualization in a 2D grid
- Designed a system for monthly planetary position tracking

Expiry Date Tracker App (Full-Stack Development - In Progress)

- Tools: Java, XML, Android Studio, Room Local Database, Amazon DynamoDB, Git (local & cloud), UPC API
- Designed and developed both **backend (database management, API handling)** and **frontend (Android UI)**
- Integrated a **UPC API** to fetch product details using a token for efficient data entry
- Sends notifications prior to expiration to reduce waste and financial losses for the store
- Implemented cloud database support for scalability

Volunteer Experience

Volunteer Full-Stack Developer

Canadian Centre of Excellence for Anti-Corruption (CCEAC)

April 2024 - Present

- Tools: C#, ASP.NET, Azure Database, Swagger API, Git (local & cloud)
- Developed both **backend (C# API and database management)** and **frontend (ASP.NET web UI)**
- Co-developed a web-based quiz tool for companies to assess employee ethics and anti-corruption awareness
- Designed a user-friendly interface for quiz creation and survey analytics
- Collaborated in a team environment using Git for version control and workflow management

Work Experience

Host

Ben & Florentine restaurant, Gatineau, QC

July 2022 - August 2023

- Developed strong communication and multitasking skills

- Handled customer interactions and coordinated seating arrangements
- Adapted quickly in a fast-paced work environment

Night Crew

Riley's Independent Grocer, Ottawa, ON

August 2023 - Present

- Lead the night crew team and managed store operations overnight
- Stocked shelves, managed overstock, and ensured product availability
- Trained new employees on store procedures and inventory management
- Developed leadership and organizational skills relevant to technical project management
- Implemented inventory tracking methodologies that improved efficiency

Additional Qualifications

- Strong problem-solving and analytical skills
- Team-oriented and able to work independently
- Effective communication and adaptability in fast-paced environments
- Fluent in English and Arabic, intermediate French

References

Mike Walker

Store Manager, Riley's Independent Grocer

Phone: 613-866-4548

Patrice Poitevin

CEO, Canadian Centre of Excellence for Anti-Corruption (CCEAC)

Email: pat.poitevin@cceac.ca