

Carl Maalouli

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EDUCATION

- Sept. 2019 - June 2024 **University of Toronto (UofT)** | St. George Campus - Canada
BASc in **Computer Engineering**, Minor in Artificial Intelligence
Dean's Honour List (Years 1 & 4)
- Sept. 2015 - June 2019 **SABIS International School** | Adma - Lebanon
Lebanese Baccalaureate (General Sciences): Ranked 50 in Lebanon - Highest Honours

TECHNICAL SKILLS

- Programming Languages: C • C++ • C# • Python • Java • JavaScript • Assembly Language • HTML • CSS • Shell Scripting
- Frameworks & Databases (SQL/NoSQL): .NET • ASP.NET • Blazor (WASM & Server) • Xamarin.Forms • Flask • Django • Flutter • Ant Design for Blazor • Bootstrap • Tailwind CSS • Microsoft SQL Server • PostgreSQL • MySQL • SQLite • CosmosDB • MongoDB
- Machine Learning & Data Science: Probabilistic Reasoning & Analysis • TensorFlow • PyTorch • NumPy • Pandas • scikit-learn • OpenCV • matplotlib • Jupyter • Google AI Platform
- Software Engineering Tools & Methodologies: Azure Cloud Services • AWS • Source Control (Git) • GitHub • Azure DevOps • Docker • Visual Studio • VS Code • DevOps • Frontend & Backend Development (Full-Stack) • Agile • Scrum • REST APIs
- Cyber Security: Secure Software Development • Cryptography • Web App Security • Access Control • Network Security • Hardware Security • Malware • Ethical Hacking
- Other Skills: Operating Systems • IT Fundamentals • Internetworking • Computer Hardware & Architecture • Digital Systems & Electronics • Verilog • MATLAB • Intel Quartus Prime • Microsoft 365 • LaTeX

WORK EXPERIENCE

- May 2022 - Aug. 2023 **.NET Applications Developer (Full-Stack)**
Environment and Climate Change Canada (ECCC) | Downsview, Toronto - Canada
- Worked on the development of **cloud-based applications** at ECCC: Developed new features/components based on **secure coding** principles, fixed bugs, created tests, updated documentation, and managed databases according to **Agile** methodologies.
 - Supported a few legacy **on-premise applications**: code reviews, code updates, and bug fixes.
 - Cooperated with other students at ECCC to develop an **internal tracking and management app** for ECCC applications: Development and revision of code changes (PR Reviews).
 - **Tools used**: C# • JS • HTML/CSS • .NET • ASP.NET MVC • Blazor • Azure Functions • REST APIs • Bootstrap • Ant Design • SQL Server • Azure Cloud • Azure DevOps • Visual Studio

SOFT SKILLS

- Languages: English (Excellent) • French (Very Good) • Arabic (Native)
- Other: Diplomacy (**Model UN Award**) • Public Speaking • Leadership • Teamwork • Communication • Fast-Learning • Problem Solving • Decision-Making • Time Management • Adaptability

PROMINENT UNIVERSITY PROJECTS

- Sept. 2023 - April 2024 **Capstone Project (AI/ML) - Large Language Model for Financial Report Analysis**
Final Engineering Project
- Sept. 2023 - Dec. 2023 **Web Application for Event Management and RSVP Tracking**
- Jan. 2022 - April 2022 **Machine Learning Model for Human Detection**
- March 2021 - April 2021 **Game Development on an ARM Processor (Game: 'Breakout')**
- Jan. 2021 - April 2021 **Interactive City Mapping Software (C++)**

For projects details, please visit my [LinkedIn profile](#) or my [webpage](#) (links in the resume header).