IMANE YACOUBI **she/her**

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Technical Skills

Languages: C++, C, JavaScript, Python, Objective C, Bash, SQL
Technologies: Linux, Node.js, Vue.js, macOS SDK, SQLite, Appium, Selenium, Android SDK
Coursework: Object-Oriented Programming, Compilers, Computer Design & Organization, Data Structures

Education

University of Waterloo Waterloo, ON
Bachelor of Computer Science *2022 – 2026*

- Dean's Honours List, CS Club, Math Orientation Leader, Poker Studies Club, Culture & Language Club

Humber College Toronto, ON
Certificate of Technology with Honours *2021 – 2022*

Experience

Maxon Computer May 2024 - Aug. 2024
Software Engineer Intern - Central Maxon App Team *Waterloo, ON*

- Extended a C++ module to retrieve and manage system process information across Linux, macOS, and Windows, leading to significant improvements in the stability of the Maxon App by providing real-time insights into process performance and reducing application slowdowns by about **30%**
- Improved Maxon app's analytics reporting by introducing a new attribute to the database schema and API endpoints for capturing the Maxon app version, enabling tracking of feature-related events per version, reducing support tickets on the analytics framework by **20%**
- Significantly improved real-time license management for **1.7M** users by developing and integrating APIs to transmit licensing and trial status from the 10Duke payload to the GUI
- Enhanced Maxon's C++ UI kit by adding support for browser context menus within native apps, leveraging WebKit and Edge browser engines to load web assets into a C++ app, resulting in a **15%** reduction in support tickets related to UI issues

Huawei Technologies May 2023 - Aug. 2023
Software Engineering Intern - Web Engine Research *Markham, ON*

- Owned development of end-to-end cross-platform benchmark tool for WebView Performance on mobile that generates a comprehensive report on load time, response latency, memory use and FPS, for use by **100+** developers in Web R&D
- Automated web page testing and user interactions in a configurable environment, enabling the daily generation of **over 3000** performance reports, significantly enhancing scalability and reliability of performance analysis
- Deployed advanced measuring methodologies to extract webpage performance, significantly enhancing the accuracy of all metrics by leveraging browser-native and system-level profilers

Projects

C-Subset Compiler | *C++, Mips Assembly*

- A C-subset compiler written in modern C++ targeting the MIPS 32-bit architecture

Chess | *C++20, X11, OOP*

- A fully functional C++ Chess game with a built-in GUI and 4 levels of AI players

EUR-E-CLOCK | *C, HTML/CSS*

- A web-based alarm clock that requires answering trivia questions to deactivate