

Yasser EL Mouatadir

✉ yasser@elmouatadir.com 🌐 yaselmo.dev in Yasser El Mouatadir 📄 yaselmo

Education

University of Ottawa *Honours BSc Computer Science, Data Science Option* *Sept 2023 – Present*

Languages: French, English, Spanish

Skills

- **Programming Languages:** Python, JavaScript, Java, R, Go, C++, Prolog, Scheme, HTML, CSS.
- **Frameworks/Libraries:** NodeJS, React, Express, Angular, JUnit, Pytest, PyUnit, Turtle.
- **Others:** Linux, Android Studio, SQL, Git, PostgreSQL, Firebase, Postman, Office, Blender, Raspberry Pi.

Experience

National Research Council Canada (NRC) *Ottawa, ON*
Coastal and River Engineering *Jan 2026 – Present*

Physical Modeling Technical Assistant (Part-time) *Apr 2026 – Present*

- Maintain and support **research instrumentation and network systems** for physical modeling experiments.
- Diagnose and resolve issues across **servers, networks, and data acquisition systems**, improving system reliability.
- Develop and enhance an **inventory management system** to track instruments and projects, improving workflow efficiency.

Physical Modeling Technical Assistant (Co-op) *Jan 2026 – Apr 2026*

- Developed an **inventory tracking system** to improve equipment and project management.
- Assisted with **instrumentation setup, calibration, and maintenance** for experimental workflows.

Mobile App Developer

PocketLab

Remote

Apr 2026 – Present

- Contribute to a **cross-platform mobile application**, focusing on performance and usability.
- Implement and improve features using **TypeScript and JavaScript**.
- Collaborate on **UI/UX design and debugging** to enhance user experience and stability.

Projects

Tracklet Inventory System || *Python, SQL*

- Built an **inventory system** to track instruments and projects, improving lab workflow efficiency.
- Designed structured storage using **SQL** for reliable data management.

uEnroll Platform || *TypeScript, JavaScript*

- Contributed to **data automation and scraping**, improving system efficiency.
- Enhanced **UI and usability** for better user experience.

Movie Recommendation System || *Go, Java, Prolog, Scheme*

- Implemented a recommendation system across multiple paradigms (**Go, Prolog, Scheme, Java**).
- Compared **performance and design trade-offs** across implementations.

E-Hôtels Booking App || *React, Node.js, PostgreSQL*

- Built a full-stack web app using **React** and **Node.js**.
- Integrated **PostgreSQL** for efficient data handling.