

# Ossama Elhelali

oelhelal@uwaterloo.ca • 437-246-9710 • [www.ossamae.me](http://www.ossamae.me) • [LinkedIn](#) • [GitHub](#)

## EDUCATION

**University of Waterloo** - Recipient of president's scholarship

Waterloo, ON

Candidate for Bachelor of Computer Science

Sep 2022 – May 2027

Relevant coursework: Object-Oriented Software Development, Algorithm Design and Data Abstraction, Tools and Techniques for Software Development.

**Wilfrid Laurier University**

Waterloo, ON

Candidate for Bachelor of Business Administration

Sep 2022 – May 2027

## TECHNICAL SKILLS

- **Languages:** Python, JavaScript, C++, C, PHP, HTML, CSS
- **Frameworks:** TensorFlow, Vue.JS, React.JS, Node.JS, Express.JS, React Native, Bootstrap, Laravel
- **Developer Tools:** Git, GitHub, Linux, Firebase, Jira, Agile/Scrum, RESTful APIs, Figma, Google's Teachable Machine, OpenCV

## EXPERIENCE

**Technical Lead**

Burlington, ON

Coach Chihab Group

Aug 2023 - Present

- **Reduced check-in time by 95%** by engineering a Vue.JS-based check-in platform for over 50 attendees.
- Utilized Firebase's **Real-time Database** API for dynamic monitoring and **visualization of attendee check-in** metrics.
- Analyzed and **compiled a dataset of 5+ LMSs** according to attendees' profiles.

**Software Engineer**

Burlington, ON

MuslimDo

May 2023 - Aug 2023

- **Reduced API overhead by 34%** through designing and optimizing CRUD operations with Vue.JS.
- Enhanced user experience for **over 10k users** through PHP to co-lead the development of company's website.
- **Reduced user drop-off by 12%** by optimizing user journey and flow.
- Resolved **10+ critical hotfixes** and **20+ software bugs**, enhancing system stability.

**Founder and Presenter**



Oakville, ON

SNNAP – Student Newcomer's Navigation and Accommodation Program

Sep 2021 - Feb 2023

- **Led a team of 7** to develop and deliver a package of 7 online onboarding sessions to **80+ newcomer students**.
- **Interviewed and surveyed 50+** individuals to identify pain points and research potential solutions.
- **Developed a full curriculum** that helped newcomer students overcome high school obstacles.

## PROJECTS

**NeighBoard** - JavaScript, Vue.JS, Vuex, VueRouter, CSS, Firebase, PlacesAPI  

- A Vue.JS fullstack community platform for sharing neighbourhood activities and reports.
- Implemented PlacesAPI, **reducing address entry time by 41.25%** in preliminary tests.
- **Devised a post grouping system** based on neighbourhoods or cities, recognized via Google Places API.
- Leveraged Firebase for **real-time data handling** and **secure user authentication**.

**LeetCode Hints** - JavaScript, Node.JS, Express.JS, HTML, CSS,  

- Developed an AI-assisted tool for on demand hints and solutions to LeetCode challenges.
- Implemented server-side logic using **Express.JS and Node.JS**, boosting application's reliability.
- Constructed a **code-editor** using **Monaco Editor API**, supporting multiple programming languages.

**Sortify.AI** - JavaScript, React Native, TensorFlow, Google's Teachable Machine (DeerHacks 2023)  

- Created an **ML-powered** app for **real-time waste sorting**, featured at UTM's 2023 DeerHacks Hackathon.
- Compiled and leveraged a dataset of **22,000+** images to train a high-accuracy **ML model** for waste identification.
- Seamlessly integrated **TensorFlow and React Native** for efficient performance and **cross-platform** compatibility.

**FundFlow** - Website and WebApp - JavaScript, HTML, CSS  

- Implemented an efficient web-based **banking app** for **real-time account management** and transactions.
- Built a **streamlined UI** and intuitive display of **key financial details**.
- Incorporated **multi-user functionality**, ensuring secure and personalized experiences for each account holder.

## AWARDS

- **1st place - Microsoft's 2023 Green-a-thon** – PowerBi, Power Automate, Digital Twins, Azure HSM
  - Developed a construction materials marketplace to reduce waste and promote sustainability.
- **1st place - Seeds of Leadership's 2023 AI Summit** – Python, ChatGPT's API
  - Designed an AI-driven web-scraping tool to automate grant discovery and applications for SmileCanada (NGO).