

Leen Kamalmaz



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leenkamalmaz.com

EDUCATION

University of Waterloo

Bachelor of Software Engineering, Artificial Intelligence Minor

Sep 2021 - Apr 2026

SKILLS

Languages: C++, C, JavaScript, TypeScript, Python, SQL, Visual Basic, HTML, CSS, SASS, Java, PHP, VHDL, Bash

Tools: React, Redux, OpenCV, ROS2, MongoDB, Git, Figma, Illustrator, Photoshop, Premiere Pro

WORK EXPERIENCE

Manulife

Software Engineering Intern

May 2024 - Aug 2024

Toronto, ON

- Developed **Python** and SQL scripts to process large-scale financial data for internal reporting and analysis
- Converted over **50 critical SQL queries** from Oracle SQL to Azure Synapse and SQL Server, ensuring compatibility with new database structures by modifying field mappings, optimizing conditions, and handling system-specific attributes
- Automated a repetitive weekly task using Excel scripts written in **TypeScript**, reducing task completion time from several hours to under one hour and eliminating errors, achieving a **0% error rate**

Isotope Tracer Technologies Inc

Software Engineering Intern

Sep 2023 - Dec 2023

Waterloo, ON

- Automated processes using **Visual Basic (VBA)**, such as creating sample submission sheets, lab labels and result reports
- Spearheaded a project management system to digitize technicians' analyses, improving workflow efficiency by **85%**
- Introduced **SQL** databases to manage client information, reducing data retrieval time by **40%**

BlackBerry

Software Engineering Intern

Jan 2023 - Apr 2023

Ottawa, ON

- Developed an autonomous vehicle demonstration by integrating the **QNX OS** with a sensor and control system to showcase real-time self-driving capabilities, including obstacle detection and path planning
- Built and trained a machine learning model using **OpenCV** for traffic sign recognition, achieving **91%** accuracy
- Designed and implemented three device drivers using **C**, **C++**, and **ROS2** to run in parallel on the TDA4VM processor, enabling real-time data processing for vehicle perception and localization

Kambeo

Software Analyst Intern

May 2022 - Aug 2022

New York, NY

- Updated group pages using **React**, **Redux** and **TypeScript**, and automated email notifications for **4000+ users**

EXTRA-CURRICULARS

Women in Computer Science

Co-Chair | Systems Administrator

Jan 2022 - Apr 2024

- Organized weekly events for **1,600+** women in computing and served as the liaison for organizations and sponsors
- Enhanced website visual consistency and added an event carousel using **React**, leading to a **27%** increase in traffic

Tech+ UW

Fullstack Developer | Outreach Lead

Jan 2022 - Dec 2023

- Built accessibility features for the Tech+ Portal, ensuring a user-friendly experience for **100+ mentors and mentees**
- Used **React**, **JavaScript**, **HTML**, and **CSS** to translate Figma designs into fully functional authentication pages
- Led a **10-member team** to develop marketing campaigns for community events, and reached over **2,700 members**

PROJECTS

Personal Website | HTML, CSS, JavaScript, PHP

Developed a responsive website with a custom contact form that automated message delivery to my email

Sept 2022 - Oct 2022

DigiTalli | Arduino microcontroller, C++, Visual Basic

Built a device that utilizes ultrasonic and temperature sensors to automate COVID-19 safety protocols
Utilized the sms77.io API and Visual Basic to enable mobile waitlists and message notifications for users

Oct 2021 - Dec 2021