

Weiwei Liu

Halifax, NS | lww636696@gmail.com | www.linkedin.com/in/weiwei96 | weiwei1030.github.io

PROFILE

Passionate Full Stack Developer specializing in creating innovative software solutions. Experienced in cross-platform development and adept at implementing user-centric solutions. Eager to leveraging my skills and knowledge to drive the creation of efficient and impactful software solutions.

EDUCATION

Bachelor of Computer Science Sept. 2020
Dalhousie University, Halifax, NS

Master of Engineering, Electrical and Computer Engineering Dec. 2021
University of Windsor, Windsor, ON

SKILLS

- | | |
|--|-----------------------------------|
| • Programming Languages: Dart, Java, Python, Node.js | • Firebase, MySQL |
| • Responsive Design | • AZURE DevOps |
| • Flutter, React, Spring Boot | • Object-Oriented Programming |
| • Mobile software development | • Source and Version Control: Git |
| • Agile Methodology | • Visual Studio |
| • AWS cloud native | • UI/UX Design Principles |

WORK EXPERIENCE

Full Stack Software Developer February 2022 - Present
Marine Thinking, Halifax, NS (Halifax local company focusing on AI technology and lobster factory management system)

Smart Plant System (SPS)

- Developed and enhanced "Smart Plant System," an inventory management solution for the seafood industry.
- Redesigned and implemented digitalized warehouse interface for improved user experience.
- Utilized Dart on Server Side to create efficient business logic.
- Built adaptive UI for mobile and web with Flutter framework.
- Integrated Cloud functions with Node.js for Firebase integration.
- Led successful data migration from SQL to Firebase in a version update, ensuring seamless client transition.
- Utilized Google Firebase for efficient data storage, sorting, and updates.
- Collaborated closely with clients to understand requirements and actively contributed to feature implementation.

Marine Tracer (uncrewed surface vessel) control system

- Collaborated with a team to develop the control system for USV, enabling portable, single-operator control.
- Implemented APK upgrade and version control for improved system reliability.
- Created parameter management system enabling users to download and upload USV parameters.

- Designed and implemented organization and fleet management systems to enhance user control.
- Developed offline map functionality through background and foreground map downloading.
- Collaborated with cross-functional teams to ensure seamless integration of new features.