

MITEN SONI

Ottawa, ON | (289) 828 8751 | msoni099@uottawa.ca

EDUCATION

University of Ottawa

Honors B.Sc. in Computer Science (Data Science option)

Ottawa, ON

2020-present

- Relevant coursework: Data Structures and Algorithms, Principles of Software Engineering, Databases.
- Merit scholarship/Dean's honor list Winter 2022

EXPERIENCE

University of Ottawa | IT Department (Web services team)

Ottawa, ON

Web developer Intern

May 2022-present

- Worked as part of an agile team to upgrade the uOttawa websites and web apps from Drupal 7 to Drupal 9 with a redesigned modern theme and user-friendliness using PHP7, JavaScript, HTML and CSS.
- Migrated and integrated widgets and I-frames including OMNI, ASK chat and databases from drupal7 to drupal9 styling them to match the modern uOttawa site themes.
- Responded to high priority tickets involving changes to fix web app security weaknesses and web content changes.
- Utilized Cypress tool to fully automate QA end-to-end testing for views
- Used bash scripting to enable execution of existing pa11y scripts on DDEV
- Used DDEV/Docker to create virtual development containers for local environment
- Completed monthly agile sprints with 100% completion rate in every sprint.

PROJECTS

Dental Clinic Management System | Java, Spring, PostgreSQL, Thymeleaf, HTML, CSS

- Designed and developed a web application for a dental clinic to book and manage appointments, dentist and patient records and user accounts
- Used Spring web to build the application using the Model-View-Controller pattern, PostgreSQL to store records and authenticate users and Thymeleaf to embed information from the database in HTML files
- Created different user types (Dentist, Hygienist, Receptionist, Patient) each with different privileges and access

Byblos Mobile Application | Java, Android Studio, Git, Firebase, CircleCI

- Designed and built an android application as part of a team for a car/truck rental business with 3 users: admins, branch employees and customers focusing on UML concepts written in Java using Android Studio
- Used Firebase as a NoSQL cloud database to store user accounts, authentication and for real-time service request updates
- Used Git for version control and CircleCI for automated testing

DBSCAN Application | Java, Go, Prolog, Scheme

- Implemented an application based on the DBSCAN algorithm to analyze taxi driver's departure location and wait times to determine the most active waiting zones
- Applied the MapReduce pattern to implement the algorithm concurrently using Go

Others

- Huffman encoding and decoding tool | Java
- Entropy based predictive tool | Java

Technical Skills

Languages: Java, python, Go, PHP7, JavaScript, HTML, CSS.

Technologies : Drupal, Docker, Cypress, Git, Spring, Android Studio, SQL, NoSQL, Firebase, CircleCI, Altera Quartus.

Soft Skills

Participated in a professional development and leadership skills workshop with CEED uOttawa.

Demonstrated strong leadership, critical thinking and management skills during my time as School captain and deputy captain at Consolata.

Other interests: Boxing, soccer, swimming and field hockey.