

Jerikka Sotelo

✉ soteloje@proton.me

🌐 [linkedin.com/jm-sotelo](https://www.linkedin.com/jm-sotelo)

🔗 github.com/jmsot15

Education

Sheridan College

Dec 2024

Honours Bachelor of Computer Science, Mobile Computing Specialization (GPA: 3.7 / 4.0)

Oakville, ON

- **Relevant Coursework:** Data Structures and Algorithms (C++), Enterprise Software Systems (C#), Advanced Mobile Application Development (iOS/Android), Web Application Design and Implementation (Java/Spring Boot)

University of Waterloo

Bachelor of Science, Honours Biology

Waterloo, ON

Experience

Sheridan College (S-Sense)

Jan 2024 – Dec 2024

Full-Stack Developer Co-op

Oakville, ON

- Developed a key feature for the public beta release of the mobile application, enabling users to personalize their experience, leading to positive user feedback and increased app engagement.
- Optimized the user interface and backend of the platform server using ASP.NET Core, Bootstrap, and MongoDB, improving content management efficiency and backend performance for easier content creation by the team.
- Converted complex Figma designs into interactive and responsive mobile user interface elements, delivering a smooth, cross-device user experience and enhancing user satisfaction.
- Successfully migrated Xamarin features to .NET MAUI, improving cross-platform compatibility and app performance, reducing platform-specific issues.

Rogers and Sheridan College (Centre for Applied AI)

May 2023 – Dec 2023

Machine Learning Data Analyst Co-op

Oakville, ON

- Used MATLAB Simulink to run detailed simulations of real-life vehicles, generating data for a predictive machine learning model.
- Deployed an existing web app to an AWS EC2 instance with auto-scaling and monitoring, achieving 99.9% uptime and ensuring high accessibility for users.
- Created interactive data visualizations using Plotly to uncover key data trends, leading to the identification of critical features for extraction and further analysis.

Naryant and Sheridan College (Centre for Applied AI)

May 2022 – Dec 2022

Data Analyst Part-time

Oakville, ON

- Analyzed and evaluated existing research methodologies to identify gaps and innovative solutions, improving the overall effectiveness of the project.
- Designed and implemented a comprehensive survey methodology for a sample of 400 participants, ensuring reliable and valid data collection for project analysis.
- Utilized Python libraries (Pandas, Matplotlib, Numpy) to clean, process, and analyze data, streamlining the analysis process and providing actionable insights for the project.

Projects

MindKeep | Android (Kotlin), Jetpack Compose, Google ARCore, Firebase, Visual Paradigm, Figma

- Led a fourth-year capstone project to design a digital solution for individuals with memory impairments, addressing challenges in daily living by providing personalized reminders and support.
- Integrated AR cloud anchors to allow users to create and share personalized AR memory cues, aiming to enhance memory recall and reduce cognitive load for users.

Smart Route | Flutter, Firebase, Google Maps API, HERE Geocoding API, OpenChargeMap API

- Developed a cross-platform mobile app using Flutter to streamline planning of electric vehicle routes, reducing time spent planning while ensuring seamless performance on iOS and Android devices.

Technical Skills

Languages: C#, Kotlin, Swift, Dart, Python, C/C++, JavaScript, HTML/CSS

Frameworks: ASP.NET, Jetpack Compose, Xamarin, MAUI, Flutter, Bootstrap, Material-UI

Technologies: Android SDK, iOS SDK, jQuery, REST, AWS

Databases: MongoDB, Firebase (Firestore, Realtime DB), Postgres

Tools: Git, Android Studio, XCode, Visual Studio, VS Code, PyCharm, Jira, Visual Paradigm, Figma