Eduardo Sousa Silva

425-667-5183 | dev.esousasilva@gmail.com | linkedin.com/in/esousasilva | github.com/esousasilva

EDUCATION

M.S in CS - Software Engineering Specialization Sep 2023 - Mar 2025
Seattle University

CS Fundamentals Certificate Jun 2022 - Jun 2023
Seattle University

B.S in Medical Physics Feb 2016 - Feb 2021
Federal University of Goias - Brazil

PROJECTS

Black Swan Event Scheduler - Capstone UI/UX Design Prototype Winter 2025
Seattle University *Seattle, WA*
- Designed a Figma-based UI/UX prototype for an event scheduling mobile application called Black Swan
- Created user flows, wireframes, and high-fidelity prototypes focused on efficient scheduling and clean aesthetics
- Incorporated feedback through usability testing to improve interface accessibility and responsiveness

Mobile Application - ScheduleRx Winter 2025
Seattle University *Seattle, WA*
- Created a mobile app using Flutter and FDA OpenAPI to retrieve drug label information
- Implemented features to log medication intake and set up recurring reminders
- Used Firebase Authentication and Firestore for cloud storage and data syncing

Mobile Application - Workout App Winter 2025
Seattle University *Seattle, WA*
- Developed a collaborative workout app using Flutter allowing users to create, import, and share workouts
- Integrated Firebase and Firestore for authentication and cloud data storage
- Used SQFlite for local persistence and offline data access

Web Development - Excision Trading Card Website Fall 2023
Seattle University *Seattle, WA*
- Designed and developed a website for a class project using ASP.NET and C# for back-end web development
- Utilized GitHub for version control, ensuring organized code management and collaboration

Bilimetrix USA Web Development Volunteer Summer Project Summer 2024
Seattle University *Seattle, WA*
- Collaborated on a non-profit website to improve code quality and user experience
- Identified and resolved bugs in the website's source code, enhancing performance and functionality
- Utilized ASP.NET framework and C# for back-end development and debugging

Image Manipulation using gRPC API Winter 2024
Seattle University *Seattle, WA*
- Developed terminal-based image manipulation features using gRPC API
- Employed EmguCV for advanced image processing capabilities
- Managed project workflow with GitHub, ensuring effective version control and collaboration

Unit Testing for HISE Python SDK Spring 2024
Seattle University *Seattle, WA*
- Contributed to an open-source project, HISE (Human Immune System Explorer), a platform for analyzing human immune system data
- Developed unit tests using the `pytest` framework to improve code coverage and ensure software reliability
- Enhanced testing infrastructure to support maintainability and accuracy of analytical results

TECHNICAL SKILLS

Languages: Python, Java, C#, Dart, SQL
Frameworks/Technologies: Flutter, SQFlite, Firebase, Firestore, ASP.NET, EmguCV, gRPC, RestAPI
Testing tools: Flutter Test, JUnit, Selenium, Pytest
Developer Tools: GitHub, VS Code, Visual Studio, IntelliJ, Android Studio, Figma
Methodologies: Agile (Scrum, Kanban)