

Sativa Maciel

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Education

Bachelor of Science in Computer Science | Oregon State University | **GPA: 3.71** 2025

Technical Experience

WaveReader — *Android Sensor-Based Wave Monitoring App* 2025

- Engineered an Android app using Kotlin and Jetpack Compose with sensor fusion algorithms, Marine Weather API integration, and Google Maps functionality, achieving 90% Ocean wave accuracy over raw sensor data.

Decidy — *Android Decision-Making App* 2024

- Developed a decision-wheel app with MVVM architecture in Kotlin featuring smooth animations and intuitive adjustable weight controls for enhanced user experience.

Reeds & Keys Repair Website — *Full-Stack Business Website* 2024

- Built a responsive Next.js/Tailwind CSS website with custom animations and Web3Forms integration, resulting in a 50% increase in customer inquiries and streamlined business operations.

Professional Experience

Owner & Instrument Repair Technician | *Reeds & Keys Repair* | Eugene, OR 2023–Present

- Founded and scaled an independent repair business, managing end-to-end operations from diagnostics to customer relations while maintaining high customer satisfaction rate.

Bartender & Server | *Hey Neighbor Pizza* | Eugene, OR 2023–Present

- Managed a high-volume restaurant environment, developing strong problem-solving and multitasking abilities while delivering exceptional customer service under pressure.

Instrument Repair Technician | *Beacock Music* | Eugene, OR 2017–2021

- Executed precision repairs on brass and woodwind instruments while maintaining detailed service logs and quality standards across 500+ repair projects including school stock.

Technical Skills

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

Frameworks & Libraries: React, Jetpack Compose, Next.js, Tailwind CSS, Unity

Tools & Platforms: Git, Gradle, Android Studio, Firebase, Google Cloud Platform

Core Competencies: Algorithms & Data Structures, MVVM Architecture, REST APIs, Test-Driven Development, Agile Methodologies