

Ruaidhri Molloy portfolio

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<u>Github</u>

Deadball

Personal Side Project

• Platform: Android (Kotlin)

• Date: 2022

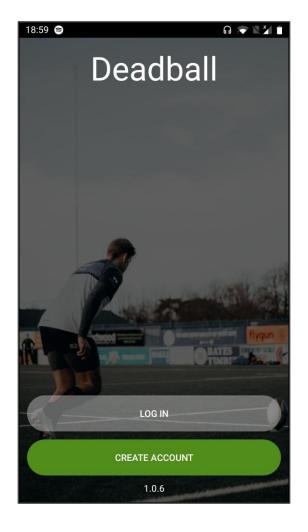
• Role: Sole Developer – From Scratch

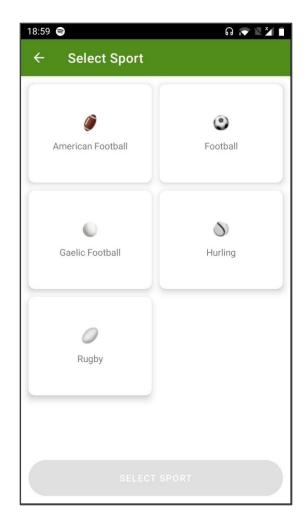
Sports analytics app to create shot maps for players and teams to see what areas of the field need improvement. Supports rugby, football, American football, gaelic football and hurling

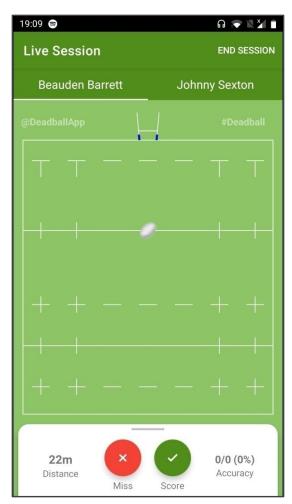


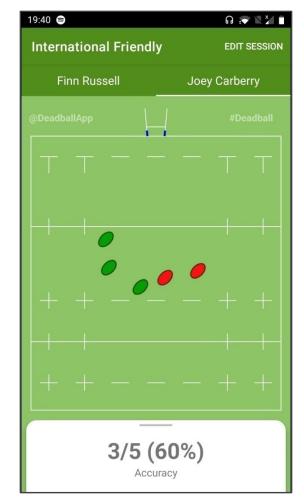


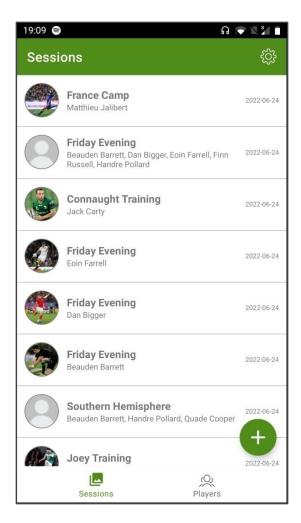


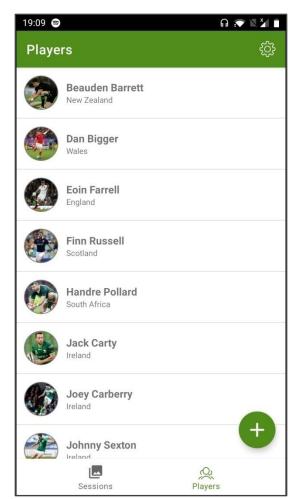


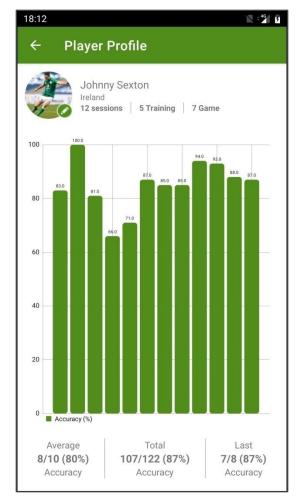


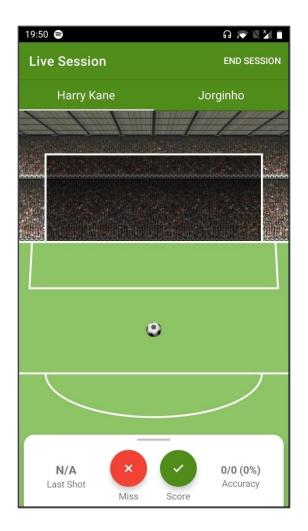


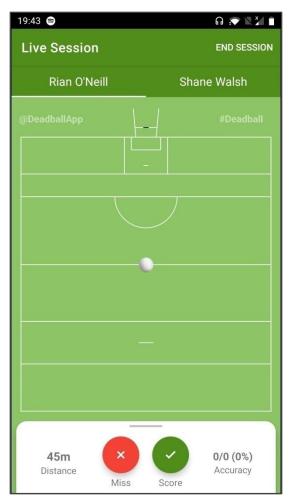


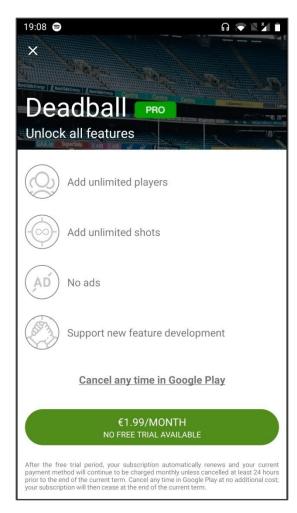












Daily Doozy

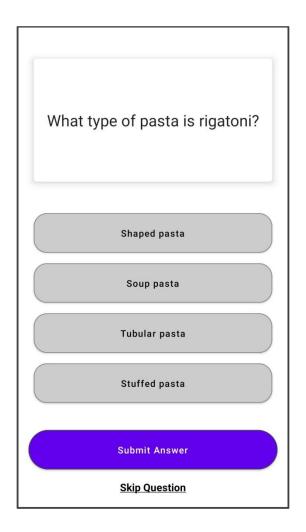
Personal Side Project

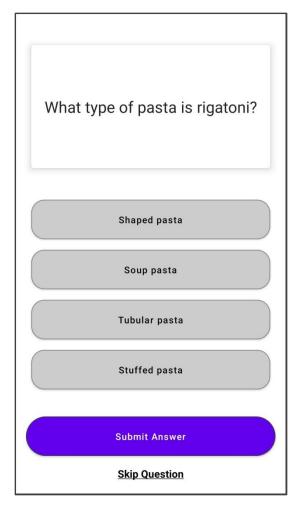
• Platform: Android (Kotlin)

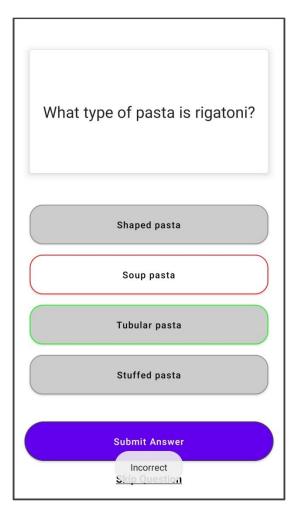
• Date: 2022

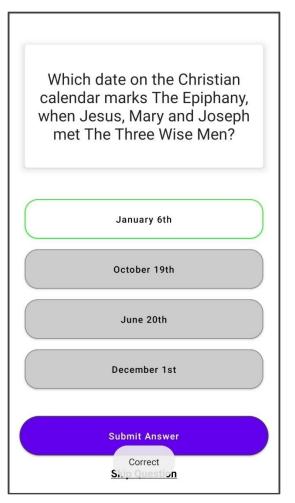
• Role: Sole Developer – From Scratch

Multi-choice trivia app









Verisense

• **Developed at:** Shimmer Research

• Platform: Windows (Java)

• Date: 2019-2022

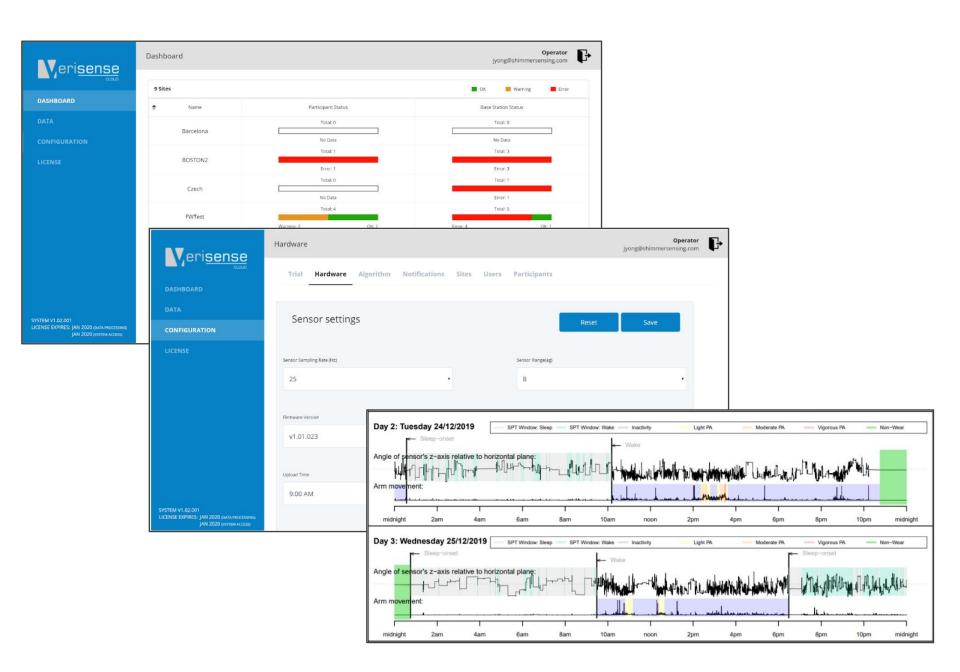
• Role: Contributor (Cloud)

Wearable sensing platform designed specifically for clinical trials









Team15

Personal Side Project

• Platform: Android (Kotlin)

• Date: 2019

• Role: Sole Developer – From Scratch

Gaelic football/hurling team builder app to share selection on game-day via social media

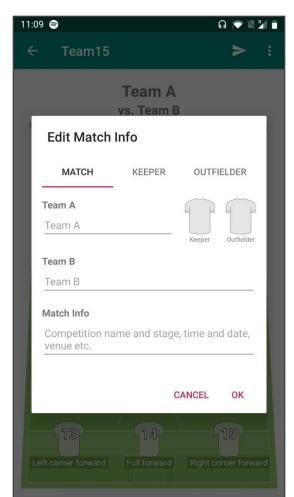


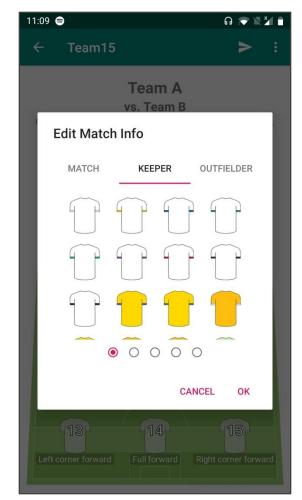




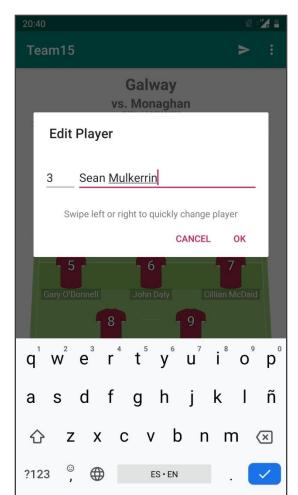














NeuroLynQ

• **Developed at:** Shimmer Research

• Platform: Windows (Java)

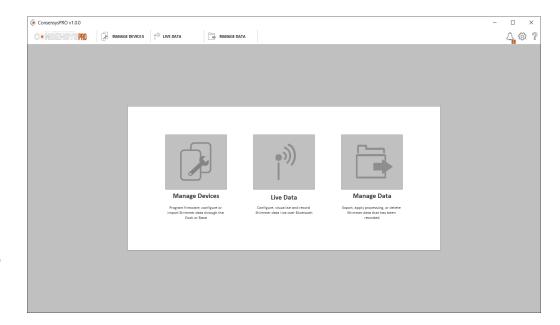
• Date: 2018

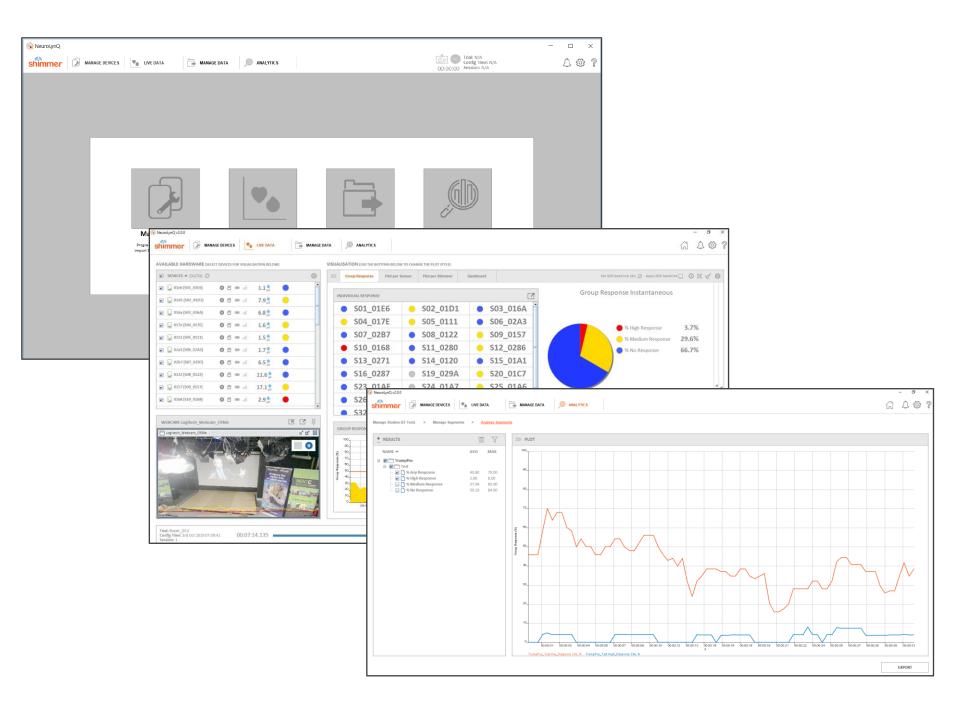
• Role: Contributor

App to measure the emotional response of a group of up to 45+ people simultaneously through use of GSR and PPG sensor









Fusion – CIMIT

• **Developed at:** Shimmer Research

• Platform: Windows (Java)

• Date: 2017

• Role: Co-Lead Developer

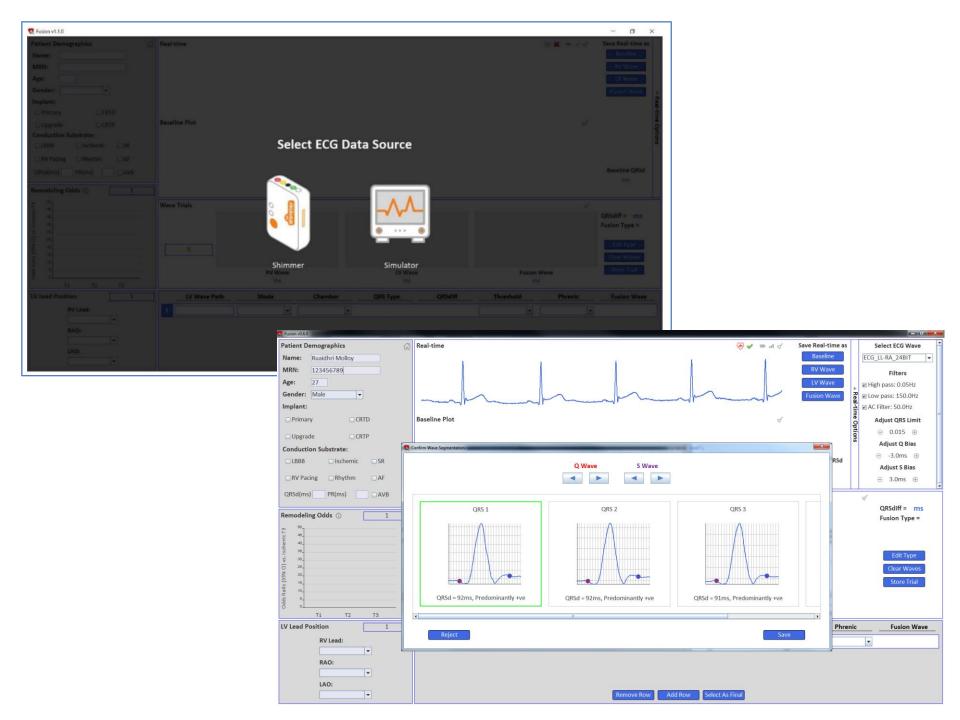
App to assist clinicians with implant of a Cardiac Resynchronization Therapy (CRT) device and with periodic therapy titration using a single ECG sensor.











Consensys

• **Developed at:** Shimmer Research

• Platform: Windows (Java)

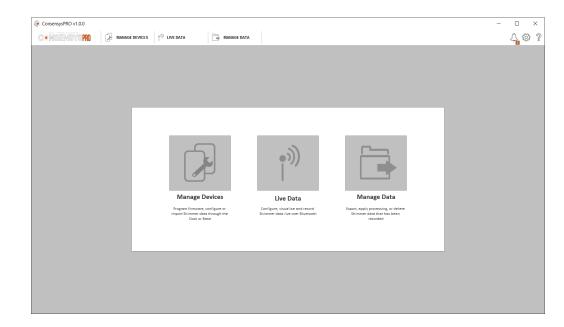
• Date: 2016

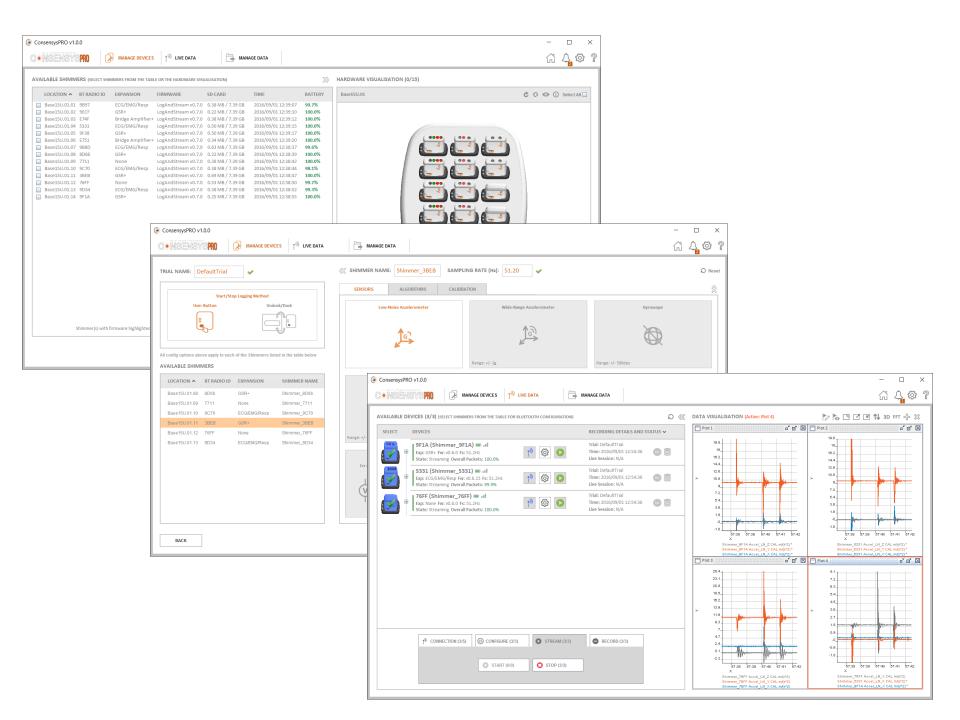
• Role: Contributor

All-in-one multi Shimmer sensor management software supporting firmware updates, configuration, data collection, storage and processing









LID Monitor - ClearSky

• **Developed at:** Shimmer Research

• Platform: Windows (Java)

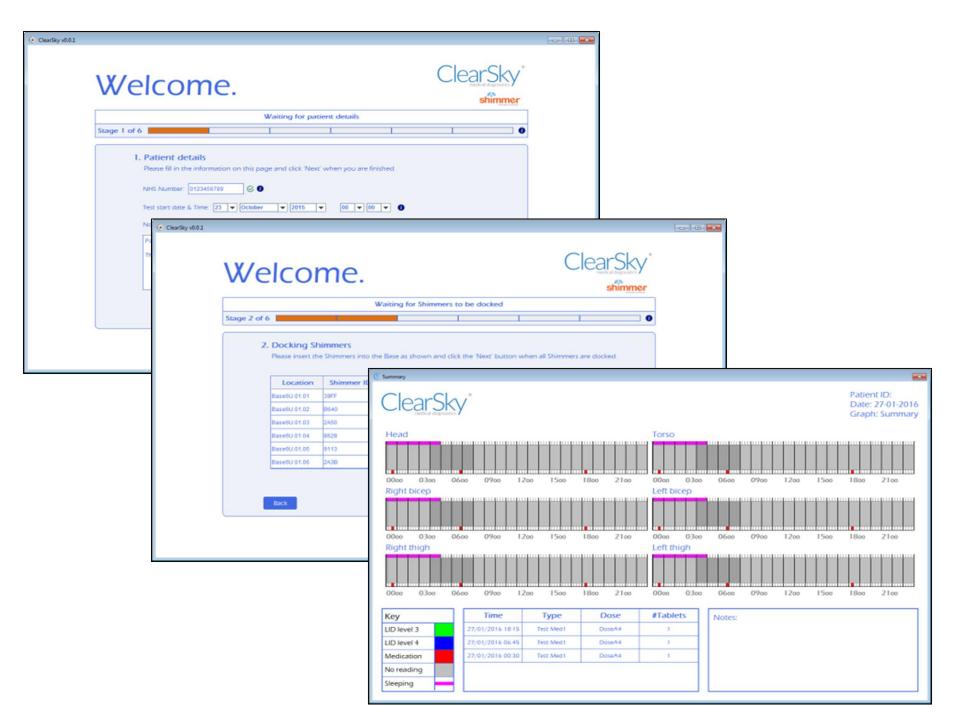
• **Date**: 2015

• Role: Co-Lead Developer

App to monitor the side effects of medication for Parkinson's sufferers using six IMU sensors







9DoF Calibration

• **Developed at:** Shimmer Research

• Platform: Android

• Date: 2015

• Role: Sole Developer – From Scratch

Automated procedure for calculating the calibration parameters for a tri-axial accelerometer, gyroscope and magnetometer





Shimmer Impact

• **Developed at:** Shimmer Research

• Platform: Android

• Date: 2014

• Role: Sole Developer – From Scratch

App to record high impact events using the Shimmer3 200g accelerometer for tackle bag drills in sports such as rugby and American football





Shimmer ECG Demo

• **Developed at:** Shimmer Research

• Platform: Windows (LabVIEW)

• Date: 2014

• Role: Sole Developer – From Scratch

Marketing demo utilizing accelerometer, ECG, and respiration sensor with respective motion, heart rate and respiration rate algorithms





Shimmer GSR Demo

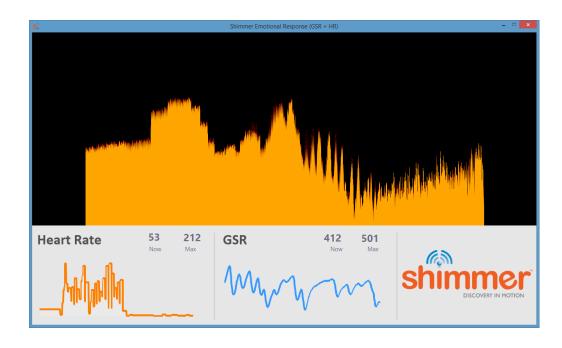
• **Developed at:** Shimmer Research

• Platform: Windows (LabVIEW)

• Date: 2014

• Role: Sole Developer – From Scratch

Marketing demo utilizing GSR and PPG sensor with PPG to heart rate algorithm



Shimmer Strain Gauge Demo

• **Developed at:** Shimmer Research

• Platform: Windows (LabVIEW)

• Date: 2014

• Role: Sole Developer – From Scratch

Marketing demo utilizing the strain gauge sensor to see who has the strongest grip strength

