



SELECTED
WORKS

Reikam Labs

Web Design & Development

Mobile App Development

User Experience Design

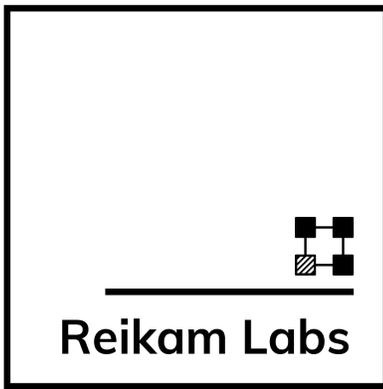
Data Analytics & Visualization

Digital Strategy

API & Services Development

Wireless Systems

Security Analysis



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ABOUT US

Since 2010, Reikam Labs has engineered innovative and reliable software solutions tailored to our clients' specific needs.

We've developed application solutions impacting millions of users for clients including Fortune 500 companies, auto manufacturers, engineering firms, law firms, restaurants, Senate campaigns, startups, schools, non-profits, and many more.

The digital experiences we create are tailored to each use case and environment, load and respond quickly, and delight our users!

OUR PROCESS EMPHASIZES:

Simplicity

Reliability

Communication

Continuous Iteration

Responsiveness to Change

Continuous Testing

Cardiovascular Monitoring System

CATEGORY

Responsive Web Application

CLIENT

SSM Health
Saint Louis University Hospital
Division of Cardiology

DESCRIPTION

The Division of Cardiology at SSM Health Saint Louis University Hospital engaged Reikam Labs to design and develop a clinical pilot system that would allow physicians to monitor the progress of recovering patients in the weeks and months following a cardiovascular operation.

To solve this, our team decided to leverage the ubiquity of commercially available fitness trackers in order to analyze a patient's biometric data (including heart rate, activity, and sleep trends) in real time.

Physicians can use a custom web application integrated with the Fitbit API to set rules (e.g. heart rate and activity thresholds) upon which the system would notify the physician if potentially concerning conditions arise (such as a patient with elevated heart rate along with little associated activity).

This application functions as a non-invasive tool to tighten the feedback loop between physicians and patients. This way, a physician can immediately receive relevant information, rather than having to wait several weeks for a post-operation checkup in which the patient might give a less-specific, qualitative overview of his or her own progress.

Building such a non-invasive tool to improve the cardiovascular recovery of patients has the potential to make a significant contribution to the fields of personalized medicine and wearable devices alike.



Recover Dashboard Signed in as John Smith, M.D. [+ Add Patient](#) [Settings](#) [Sign Out](#)

John Doe

Patient Since 04/02/2016

Unread Alerts 3 ▼

Exceeded the set value of 150 bpm over a time period of 10 minutes, starting on 4/22/2016. The average value was 166.

Fell below the set value of 2000 steps over a time period of 1 day, starting on 4/15/2016. The recorded value was 1258 steps.

Fell below the set value of 60 bpm over a time period of 10 minutes, starting on 4/8/2016. The average value was 54 bpm.

[✕ Clear all alerts](#)

[Graphs](#) [Notes](#) [Settings](#)

Patient Notes:

Patient last seen on 3/22/2016.

Steadily increasing aerobic activity plan in weekly increments.

[Save](#)

Recover Dashboard Signed in as John Smith, M.D. [+ Add Patient](#) [Settings](#) [Sign Out](#)

Active Patients

Jane Doe No New Alerts

Unread Alerts: 0
 Last Data Fetch: 04/18/2016
 Patient Since: 04/17/2016

[✉ Email Patient](#) [View Profile](#)

John Doe 4 New Alerts

Unread Alerts: 4
 Last Data Fetch: 04/18/2016
 Patient Since: 04/18/2016

[✉ Email Patient](#) [View Profile](#)

Driver's Little Helper

CATEGORY

Hardware Sensors +
Mobile Applications +
Web Services

CLIENT

Cars-N-Kids LLC

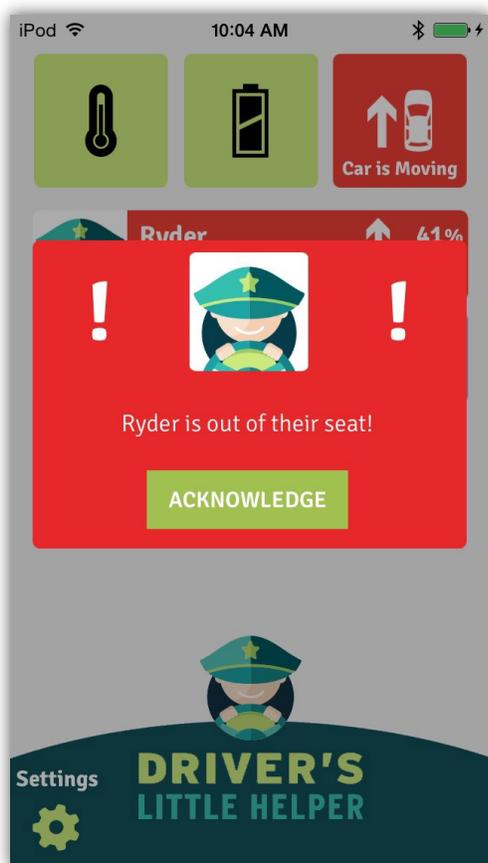
DESCRIPTION

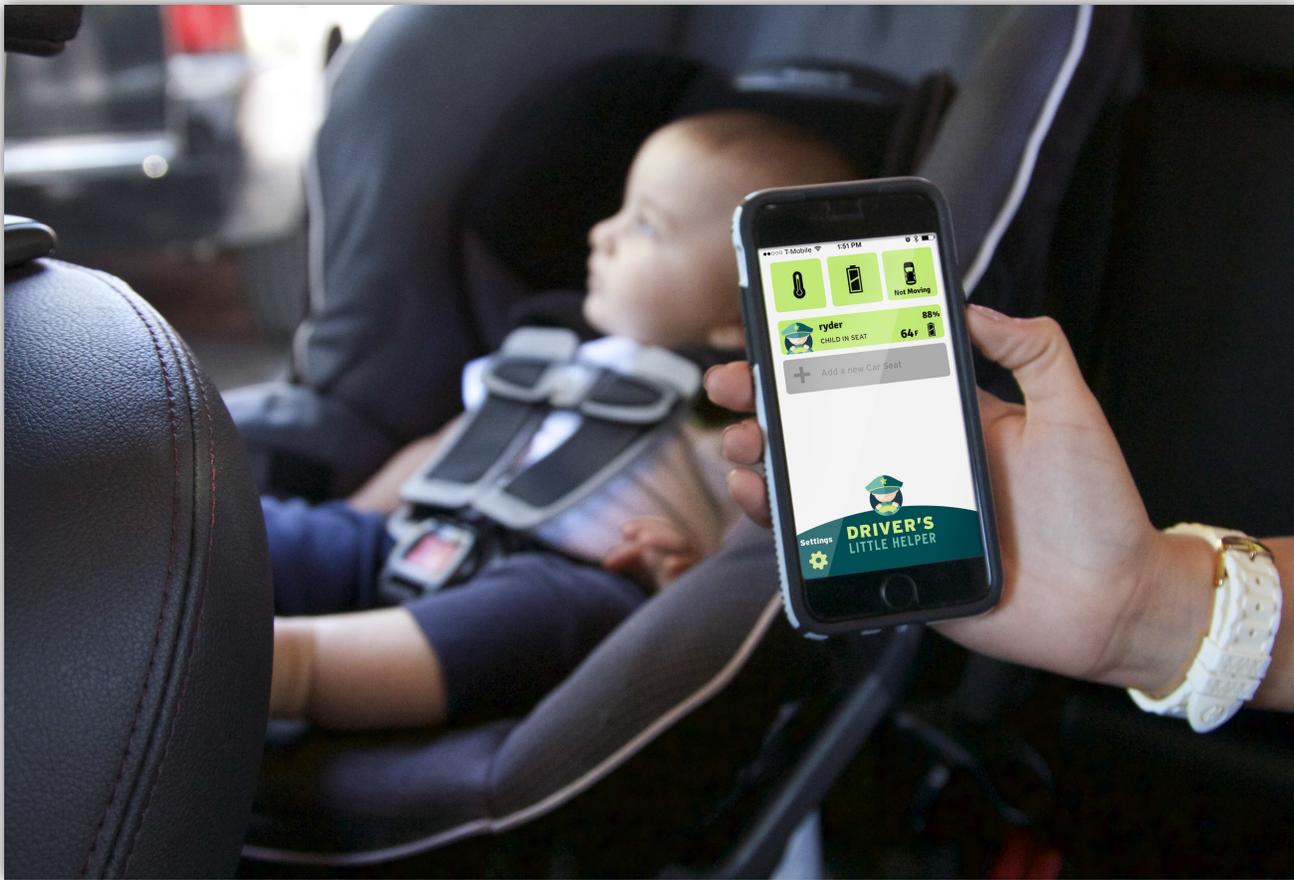
Driver's Little Helper is the first integrated Bluetooth system that connects a child's car seat to your smart phone (iPhone or Android) to provide actionable information about the child passenger before an accident happens.

The safety features of the app include temperature monitoring of the back seat, a forward-facing installation angle orientation tool, and alerts when the child climbs out of their seat or becomes unattended. The system is also able to send emergency alerts to a list of contacts using SMS and/or email messages.

Reikam Labs led the development of the iOS application and web-services, as well as re-engineered existing prototype hardware to support modern, Bluetooth Low Energy capabilities. We partnered with Cars-N-Kids to deliver the product to market.

The integrated car seat monitor system has been featured by major news outlets and is available for sale at major retailers.





SFD Smart Valve Technology

CATEGORY

iOS Application

CLIENT

[AB SKF](#) / Control Micro

DETAILS

[Available on the App Store](#)



DESCRIPTION

We partnered with Control Microsystems to develop an iOS app that communicates over Bluetooth LE to manage the SKF Separator Filter Dryer, a component that protects compressed air systems by removing damaging oil, water vapor and contaminants. The app allows end users to configure the number of start-up and shut down cycles as well as the cycle duration so to manage the amount of purge loss and level of drying performance. The more cycles chosen will optimize pressure dew point, whereas fewer cycles minimize the purge loss. The Smart Valve models have an accommodation to be synchronously controlled to the compressor which further reduces purge loss.

In addition to configuring and tracking operating parameters, the app allows users to set and receive custom service alerts via in-app or email notifications and maintains a history of past service.

 Add Service Record

 Email Service History

 Register Email Recipients

 Clear Service History

SKF USA, Inc. 888-753-3477



Location-Based Loyalty Rewards

CATEGORY

Mobile Application
+ Web-Services

CLIENT

Bonus.Me, LLC



DESCRIPTION

Bonus.Me, a startup business operating in the customer loyalty rewards space, partnered with Reikam Labs to develop an innovative mobile application leveraging location-based analytics to connect potential customers with nearby merchants in real time.

Through the Bonus.me app system, a user can subscribe to receive deal alerts for local merchants through push notification services or tickers. Then, when a user travels nearby a merchant of interest, the app notifies the user and provides an interface for engaging with the merchant and their current promotions.

When users shop and dine, they earn reward points which can be redeemed for cash rewards and prizes.

Features:

- Custom searching for local businesses by category & distance, based on user's current location (GPS or manual zip code)
- Find great nearby deals offered by a user's favorite stores and restaurants
- Look up addresses, phone numbers, and websites for thousands of businesses, then map, call, or visit them
- The app's web-services coordinate a database of users and merchant data.
- Subscribe to notifications for new promotions from your favorite merchants
- View your account info, and display your Bonus.Me card number as a bar code

Reikam Labs led the full development lifecycle, from initial user experience wire-framing to publication on the App Store.

My Account 

Username: demo@example.com

Card Number 0123456789012345

My Point Balance 25

Display My Card as Bar Code

Find Deals 

From Location:

GPS ZIP Code

By Category: Recreation & Sports

Search Radius: 10 miles

Search for Deals!

Previous Next **Done**

Home & Garden

Pets

Recreation & Sports

Shopping

Travel

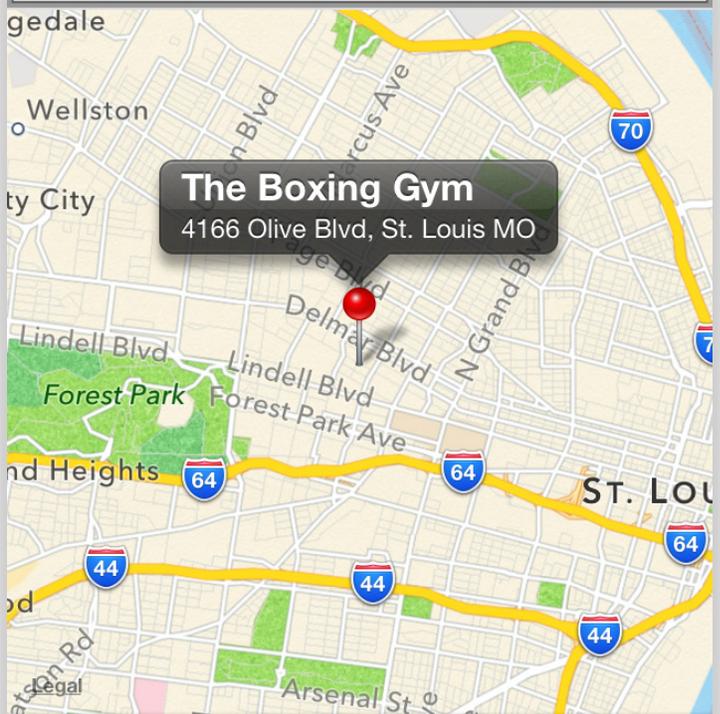
Back **Opt in by Merchant**

Receive notifications from:

- N & M Sporting Goods
- New Day Gluten Free
- Riveria Luggage & Leather
- Steel Magnolias Spa
- Stone Soup Galleries
- The Boxing Gym
- Unshurb Water Works

Results **The Boxing Gym**

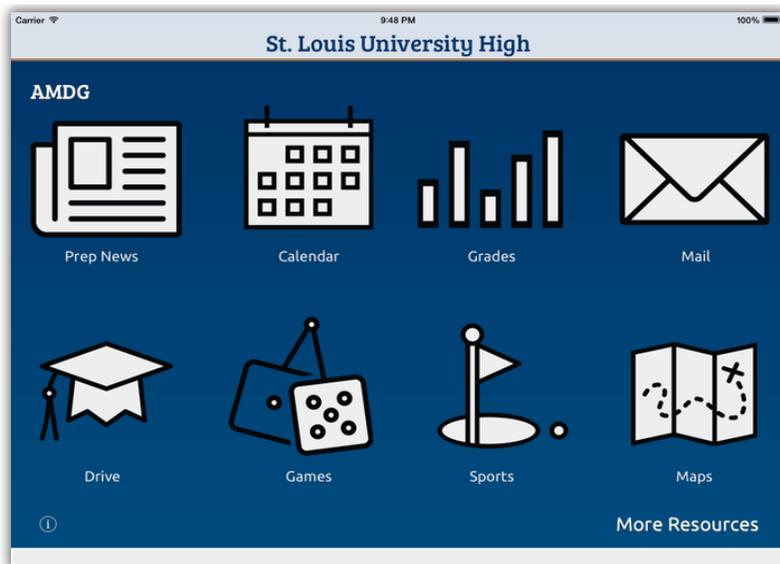
The Boxing Gym 3 mi
 4166 Olive Blvd, St. Louis
 (no active promotions)



The Boxing Gym
 4166 Olive Blvd, St. Louis MO

Open selected in Maps app

Applications for Education



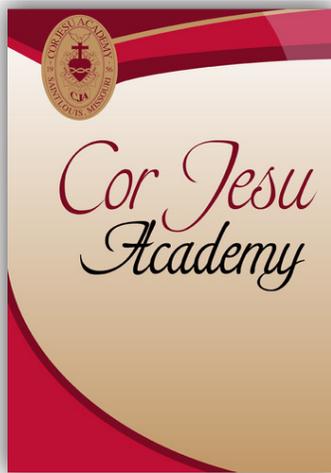
St. Louis University High School - [“iSLUH” Mobile App](#)

iSLUH is an all-in-one mobile app offering tools helpful to students, parents, faculty, and visitors. It features a responsive calendar, interactive map of local schools, games, web coursework resources, and sports listings. Moreover, it offers a news ticker with live school announcements, push-notification support, and native calendar integrations.



Bubble Chinese - Language Learning App

A Chinese language lecturer at Princeton University engaged Reikam Labs to develop an iOS app for creating and annotating foreign language education lessons, focusing on Mandarin Chinese. Interactive recording and playback tools allow students to follow lessons in real-time (“karaoke-style”) as well as to record and share their progress.



Cor Jesu Academy

Not only does the Cor Jesu mobile app have a modern user interface, but it features a robust native home screen feel and is also accompanied by a large and accessible back-end (web-services) for making the app's content extremely dynamic.



Nerinx Hall

The official iOS application of Nerinx Hall High School, iNerinxHall contains many tools helpful to students, parents, faculty, visitors, and more.



St. Joseph's Academy

Featuring both iPhone and iPad support, the St. Joe app simplifies school resources by combining tools for students, parents, faculty, and potential students all in one convenient location.



St. John Vianney High School

Reikam Labs designed and delivered an elegant iOS application featuring helpful resources for the entire school community. Behind the scenes, custom-built web-services parse webpages and convert them dynamically to mobile-friendly formatting for in-app viewing.



Reikam Labs