MICHIGAN STATE
U N I V E R S I T Y

Beta Presentation Rumble Test Suite

The Capstone Experience

Team Vectorform

Andreas Frame
Anna Quenon
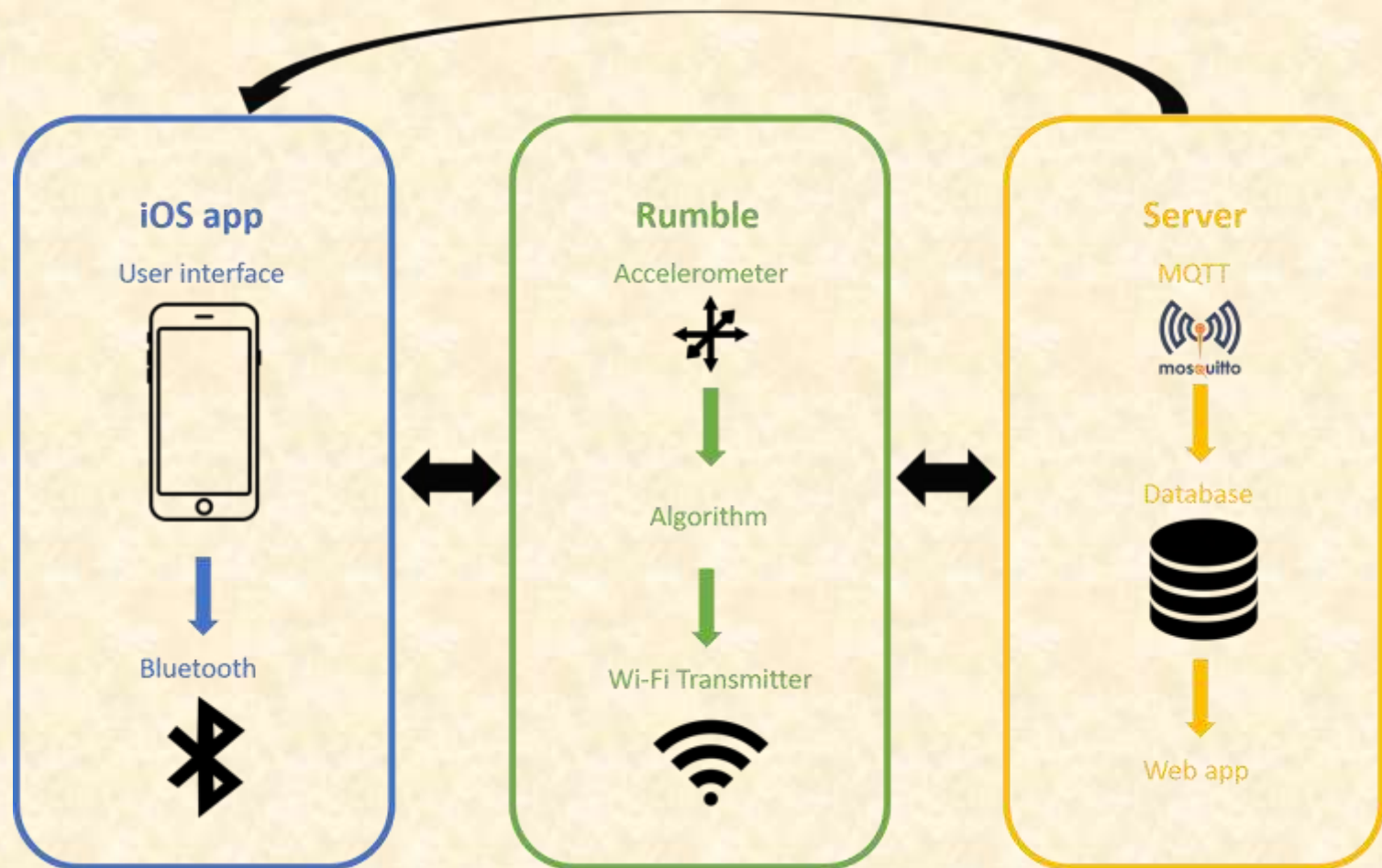Hyeungsuk Kim
Reis Wiedemann

Department of Computer Science and Engineering
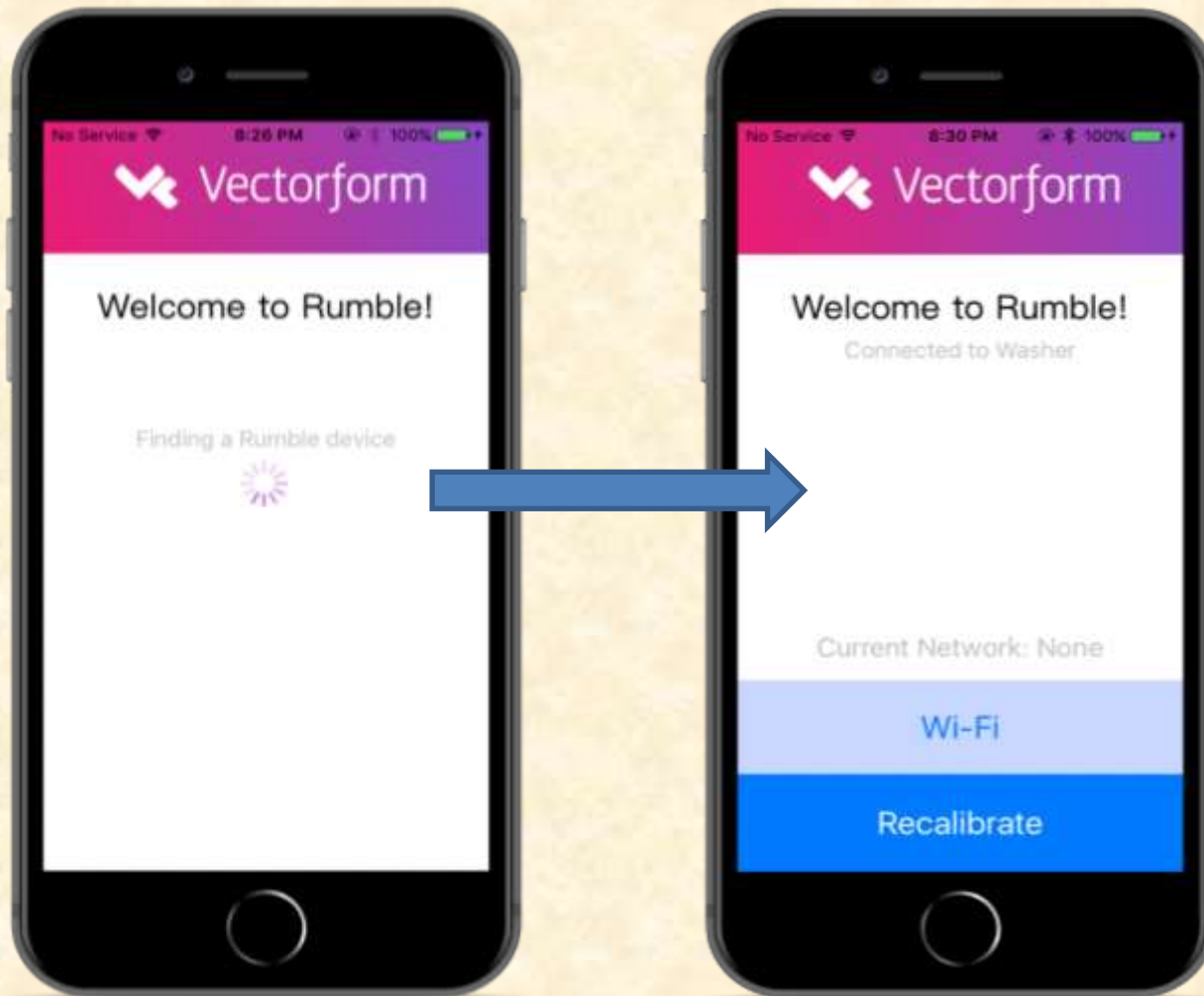Michigan State University
Spring 2020

Project Overview

- Rumble device tracks a wash cycle
  - Custom algorithm
- iOS app
  - Connects the Rumble device to Wi-Fi
  - Recalibrates Rumble device
  - Allows for push notifications
- Web app
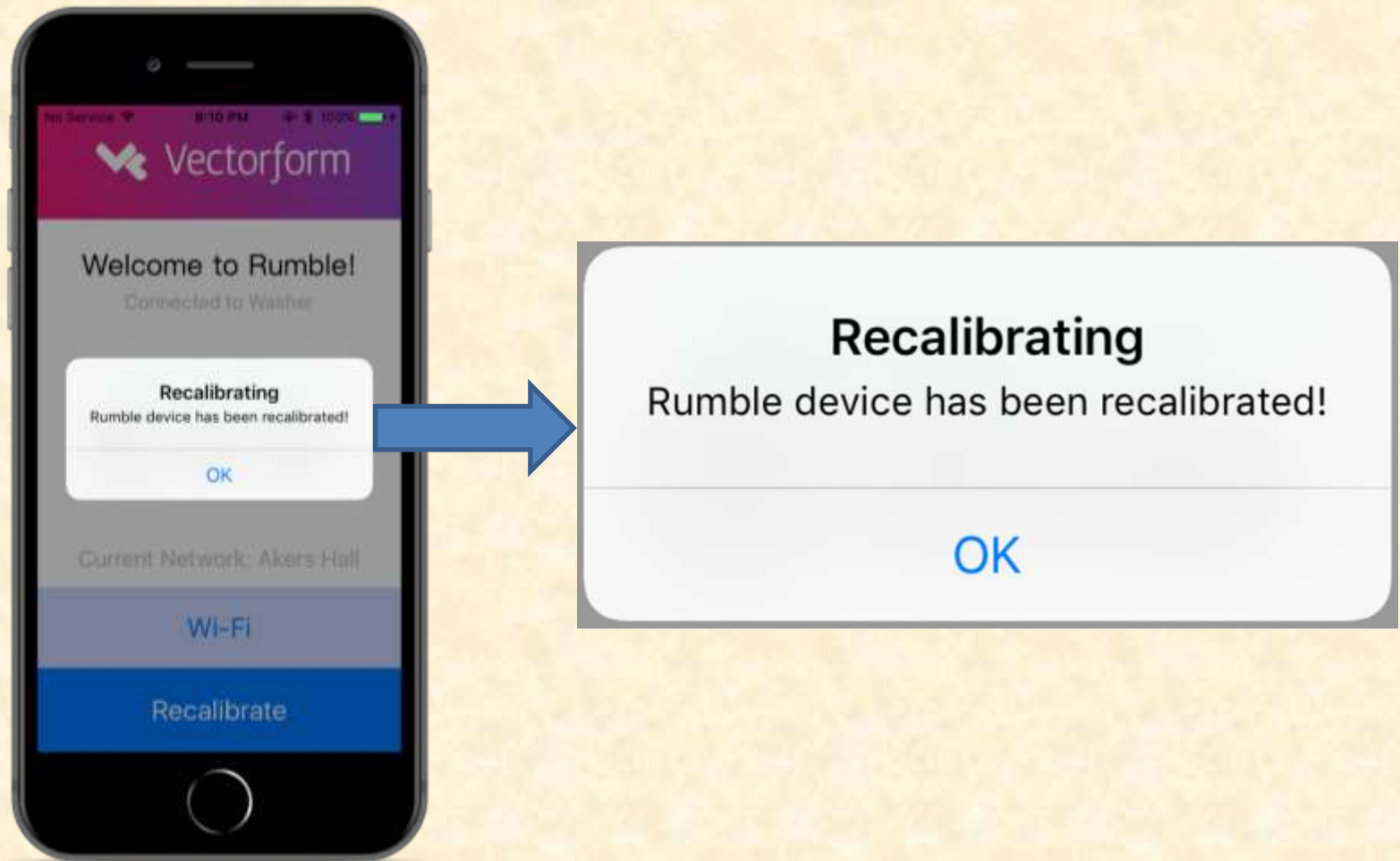 - Displays data from each wash cycle
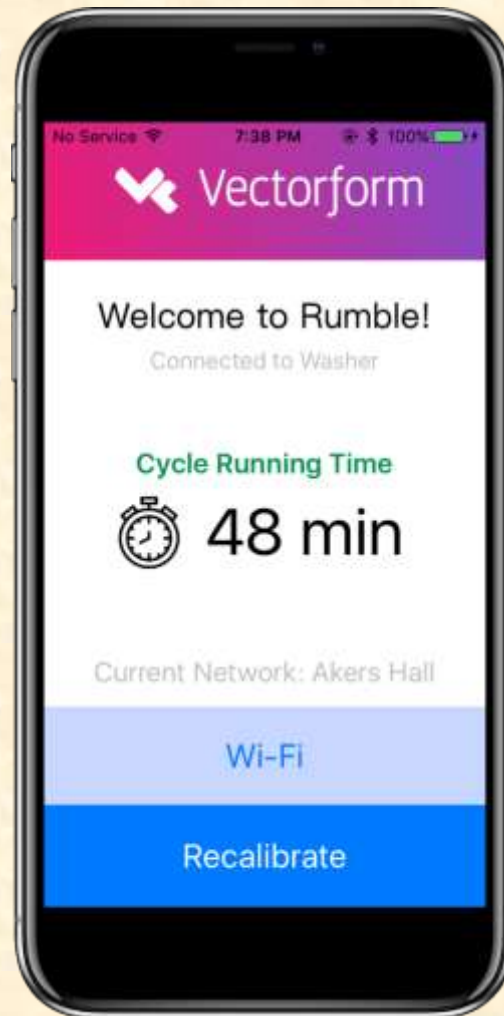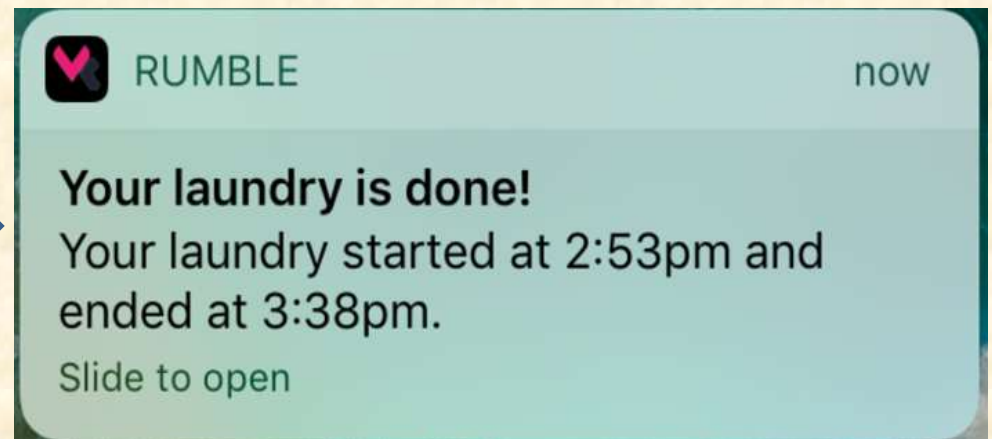 - Live data

System Architecture
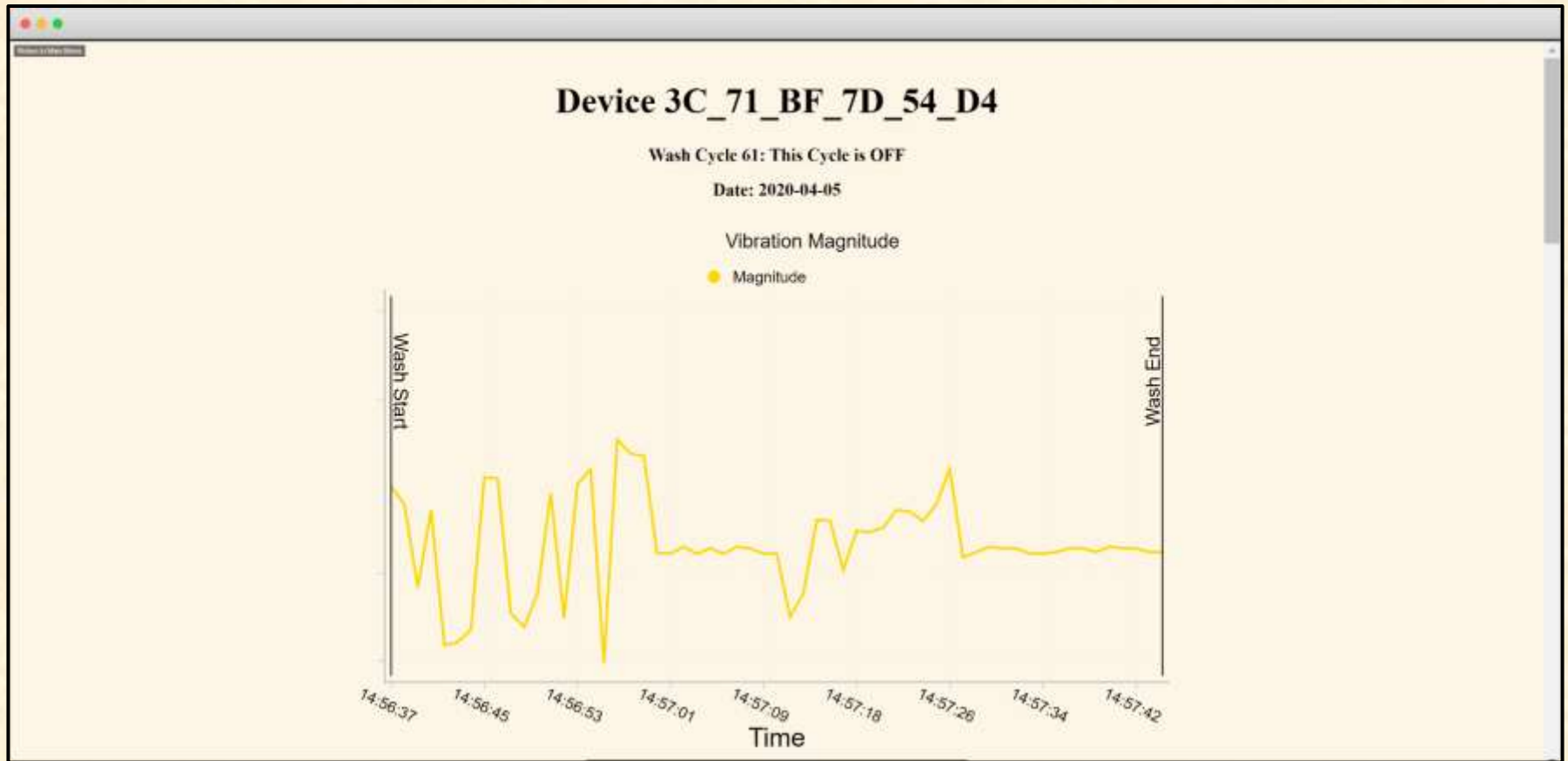
Finding Rumble Device

Recalibration Screen

Wash Running

Push Notification

Web application (pt.1)

Web application (pt.2)

What's left to do?

- Continue to train/improve algorithm
- Small adjustments to website for improved user experience

Questions?

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Team Vectorform Beta Presentation