

#### **Beta Presentation**

Al for Med Students Learning About Basket Management

#### The Capstone Experience

Team Corewell Health

Julian Akkashian
Pradyumna Karyamapudi
Shaheer Khan
Daphne Martin
Christopher Nguyen
Isaac Zelenak

Department of Computer Science and Engineering
Michigan State University

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### **Project Overview**

- Improve Basket Management Training in EHR System
- Used by Medical Students, Residents, and Instructors
- Curriculum Involves Daily Assignments
- Al Provides Feedback and Reference Response for Student's Understanding

#### Team Member's Technical Tasks

#### Technical Tasks Assigned

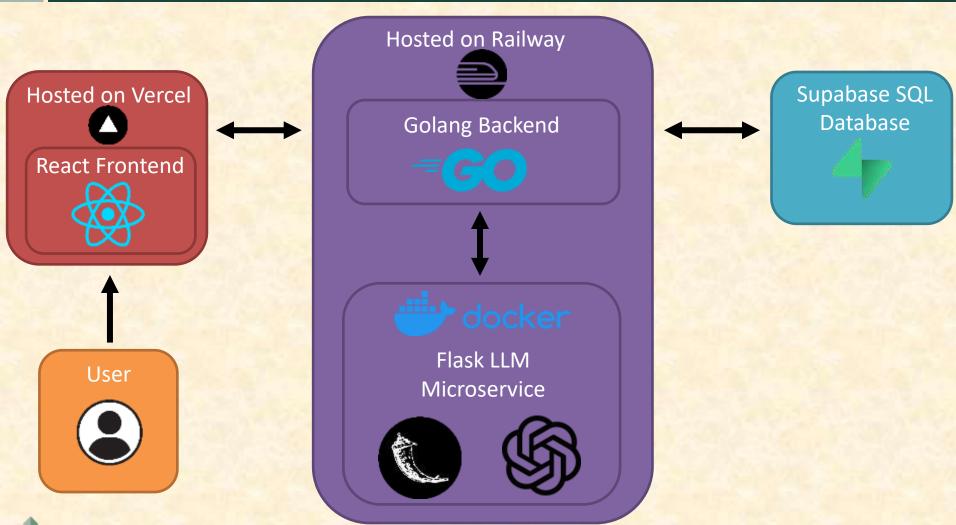
- Julian Akkashian
  - Student Dashboard UI
  - Patient Page UI
  - View Patient Labs & Results
  - Frontend Navigation
  - Quick Reply
  - Display LLM on Frontend
- Pradyumna Karyamapudi
  - Task-based Processing and Prompting of LLM
  - Frontend Hosting
  - Connect Golang backend to LLM
  - Validation of LLM Output
- Shaheer Khan
  - Creating Project Architecture
  - Authentication & Onboarding API
  - Patient, Prescription, & Results API
  - Cron Scheduling
  - Database Security Configurations
  - Patient Flagging
  - Backend & Database Hosting
  - SMTP Email Server
- Daphne Martin
  - Additional LLM Prompting
  - Docker Setup
  - Frontend Edits and Fixes
- Christopher Nguyen
- Task API (Getting & Completing)
- Automated Task Generation
- Grading Task Completion
- Viewing Previously Completed Tasks
- Isaac Zelenak
  - Authentication & Onboarding UI
  - Forget/Reset Password UI
  - Instructor Dashboard Functionality
  - View Flagged Patients, Student Tasks, and Student Details

#### **Technical Tasks Completed**

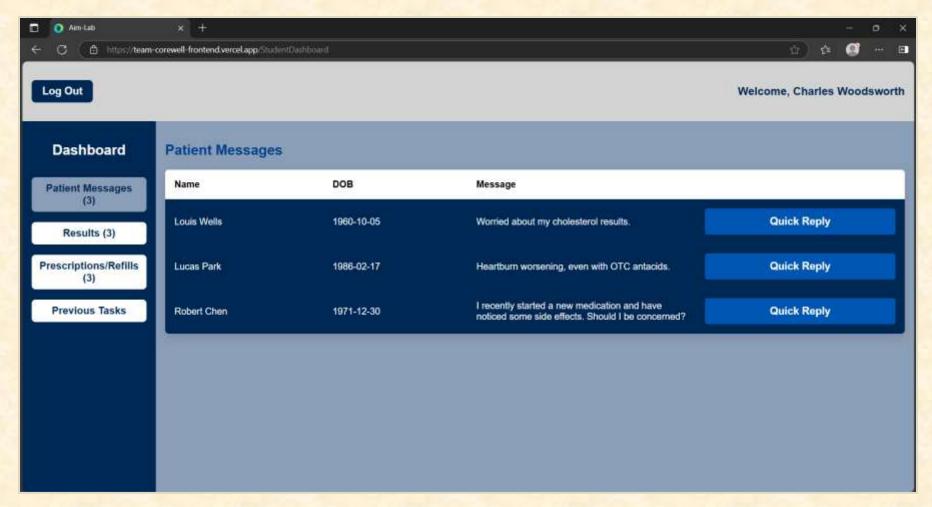
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# System Architecture

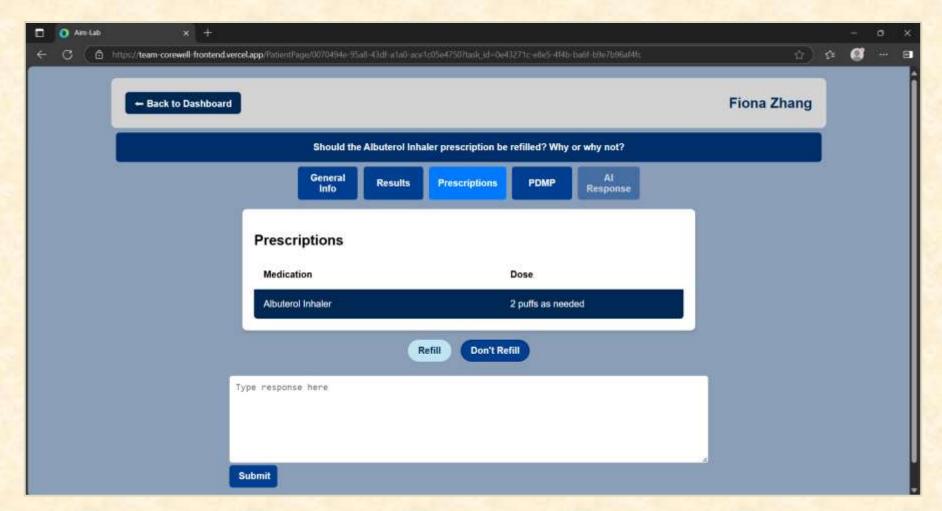


# Student Dashboard Page



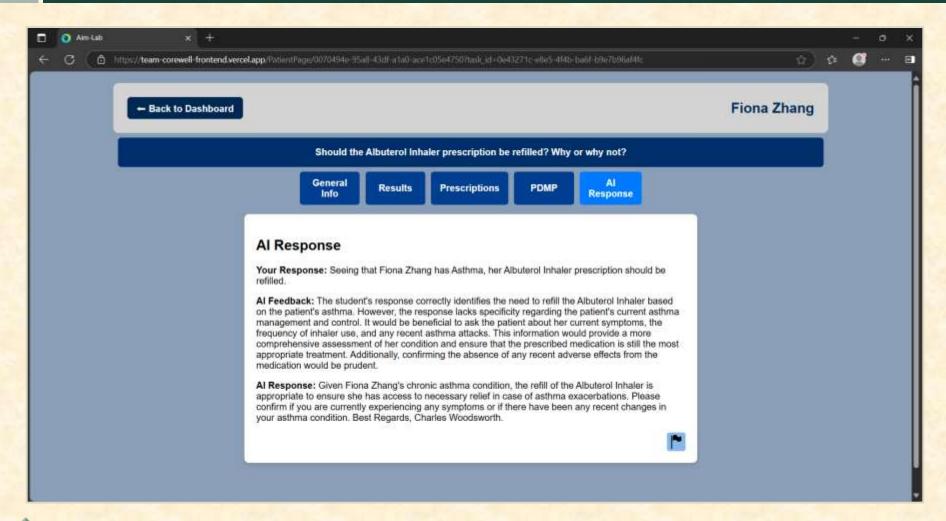


# Patient Detail Page

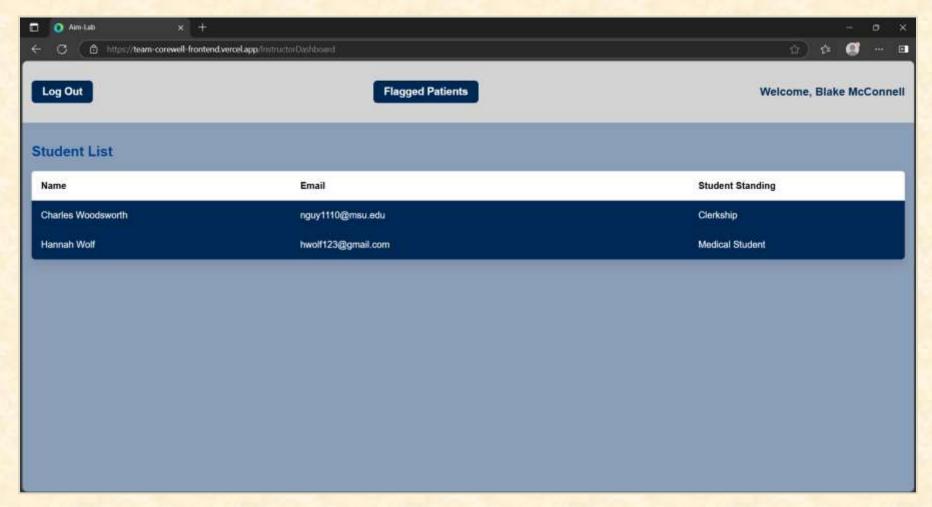




# Al Response Page



# Instructor Dashboard Page





#### What's left to do?

- Stretch Goals
  - Generate a new patient question each time
- Other Tasks
  - Fun animation when all tasks are complete
  - General UI Improvements

# Questions?

