MICHIGAN STATE UNIVERSITY

Alpha Presentation
Advancing PreK-12 Educational Opportunities

The Capstone Experience

Team Malleable Minds

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Project Overview

• A review aggregator web app that connects parents, educators, and providers in a transparent catalog of pathway-specific learning opportunities for PreK – 12 students

• We're appending to the existing web app platform: implementing performance enhancements through a new serverless backend, skill trees and subject pages, a redesigned home page, and more.
System Architecture
Home Page 2
Provider Page 2

Admin
Frederick, Maryland

Information
Number of Programs: 4
Provider since: 2021

Subjects
Science  Biology  Chemistry  Physics

Programs Offered
- Conservation Science Intensive for Young Women
  Stinson Beach, California, United States
  Parent Rating: ★★★★★  Educator Rating: ★★★★★
- After School Youth Arts Program
  Washington, D.C., United States
  Parent Rating: ★★★★★  Educator Rating: ★★★★★
- Immersion into ASL
  Anywhere, Anywhere, United States
  Parent Rating: ★★★★★  Educator Rating: ★★★★★
What’s left to do?

• Front-end
  ▪ Create skill tree component page and add functionality
  ▪ Create New Subject Pages
  ▪ Create Admin Page
  ▪ Redesign pages and add additional features

• Back-end
  ▪ Convert remaining flask functions to AWS lambda
  ▪ Implement necessary lambda functions for skill tree and subject pages from scratch
  ▪ Deploy all AWS lambda functions remotely
Questions?