KEVIN CLEARY & ANITA KRISHNAN

HTTP://CHILDRENSNATIONAL.ACADEMIA.EDU/KEVINCLEARY

HTTPS://CHILDRENSNATIONAL.ORG/CHOOSE-CHILDRENS/FIND-A-PROVIDER/ANITA-KRISHNAN

Required Skills:

Mobile App Development, Web App Development, Java Coding, Python Coding, iOS Coding, Android Coding, Responsive Web Design, Human Centered Design, Open Source Databases (MySQL, MariaDB, etc), Project Management, Technical Writing, Communications

Preferred Team Communications:

TBD

Data Sources:

Can provide de-identified test data

Other Items:

Project has timezone flexibility. Mentors and students will determine a good time for virtual meeting

Z SCORES FOR FETAL CARDIAC STRUCTURES

Ultrasound is often used to diagnose fetal cardiac status. As described in the abstract below, the size of structures on ultrasound can be compared to normative data to monitor fetal cardiac development. An app to compute these scores would be of use in the echo clinic in children's hospitals.

PROJECT OBJECTIVES

Develop an app to compute z-scores based on patient data and retrieval of parameters from the EMR.

SUCCESSFUL PROJECT

App that runs on iphone and Android platform

Intellectual Property: Students own the IP from this project.