
ALYSON GOODMAN & RAY KING

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Required Skills:

Web App Development, Human Centered Design, Workflow/Process Optimization, Technical Writing, Project Management, Communications

Preferred Team

Communications:

WebEx or Conference call

Data Sources:

Georgia Tech synthetic data will be sufficient for the project.

Other Items:

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

HEALTHY WEIGHT ON FHIR

Over 12 million U.S. children have obesity, putting them at risk for serious and costly consequences – affecting children’s health, educational attainment, and quality of life. Childhood obesity comparative effectiveness research trials have established multiple effective components, structures, and functions of clinical decision support tools embedded into the EHR that significantly improve primary care doctors’ adoption of evidence-based practices. However, dissemination of effective CDS tools to clinicians remains low. This project aims to build on the work of previous Intro to Health Informatics students in creating applications based on HL7 FHIR and SMART technology to help doctors care for children with obesity.

PROJECT OBJECTIVES

-Build on work of previous students, determine appropriate structure/code to move forward

-Work with a child obesity researcher at Yale to design a proof-of-concept application that incorporates some clinical decision support functions that her research has shown to be effective

-Incorporate students’ innovative ideas into process and products

SUCCESSFUL PROJECT

-Prototype application featuring some key elements of childhood obesity clinical decision supports that can be demonstrated on the web (as proof-of-concept)

-Successful two-way communication (team & mentors), meaningful collaboration

Intellectual Property: Project involves a government agency so the resulting project is made available to the public. Students do not own IP. Students will be recognized as contributors

