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BLAKE ANDERSON,  
DAVID GUTMAN

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[bander4@emory.edu](mailto:bander4@emory.edu)

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**Required Skills:**

(List skills needed) – Java, Python, MySQL, SQL Server

**Preferred Team Communications:**

Skype, Google Hangouts, Any video conferencing software with high bandwidth

**Data Sources:**

N/A

**Other Items:**

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

**Team Info:**

Needs a Developer, Analyst, Tester, Project Manager. Allows one team of 4-6 members.

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SMART MEDICATION LIST

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Given concurrent issues of polypharmacy and low health literacy, medication error and noncompliance are rampant problems. The universal medication schedule helps to mitigate that problem by converting traditional dosing schedules into easy to use medication times (breakfast, lunch, dinner, bedtime). Patient's also frequently don't know why they are taking individual medications, which can impact compliance.

Ideally medications from the different healthcare systems could be integrated into a single application which converts dosing schedules into the Universal Medication Schedule. Plain English descriptions of how and why people take medications reinforced with pill pictures using the national pill database would also help compliance.

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PROJECT OBJECTIVES

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Develop a FHIR app to generate a smart medication list that translates traditional dosing schedules into the Universal Medication Schedule, generates plain English descriptions of medication indications and how the medication is taken, generates reminders for patients, and incorporates pill pictures.

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SUCCESSFUL PROJECT

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To Be Discussed

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**Intellectual Property:** I have a proof of concept web app I developed without using FHIR that Emory has already initiated IP background on.