CHARITY HILTON

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Required Skills:

Python,React,Postgres, Other
NoSQL preferred

Preferred Team Communications:

Conference Call, to be discussed

Data Sources:

ClinicalTrials.gov / Test patient data
(e.g. MIMIC)

Other Items:

n/a

Team Info:

Developer, Analyst, Tester

IMPROVING CLINICAL TRIAL RECRUITMENT THROUGH FHIR AND NATURAL LANGUAGE PROCESSING

Groups should develop an application that uses FHIR to retrieve both structured and unstructured criteria to reduce clinical trial recruitment times.

Use ClarityNLP (https://claritynlp.readthedocs.io/en/latest/) and CQL (https://ecqi.healthit.gov/cql-clinical-quality-language) to match a selected patient against a clinical trial.

https://www.dropbox.com/s/albbhpshfwlbu1v/Clinical%20NLP%20Project.pptx?dl=0

PROJECT OBJECTIVES

Create an app that utilizes CQL+FHIR and ClarityNLP+FHIR to:

- Specify a patient id

- Specify a study (any study)

- Run CQL / NLPQL (developed by ClarityNLP team)

- Display all matching patient information as well as failed criteria

SUCCESSFUL PROJECT

To Be Discussed

Intellectual Property: None