
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

Use ClarityNLP (<https://claritynlp.readthedocs.io/en/latest/>) to match a selected patient against a clinical trial. Improve ClarityNLPs interoperability capabilities by connecting ClarityNLPonFHIR to the Cerner Sandbox or the HSPC sandbox.

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

PROJECT OBJECTIVES

Create an app that utilizes ClarityNLP NLPQL+FHIR to:

- Specify a patient id
- Specify a study (any study)
- Run NLPQL on patient documents
- Display results and inclusion/exclusion matches (improve on existing ClarityNLP FHIR client)
- Integrate with Cerner or HSPC Sandbox

SUCCESSFUL PROJECT

To Be Discussed

Intellectual Property: None