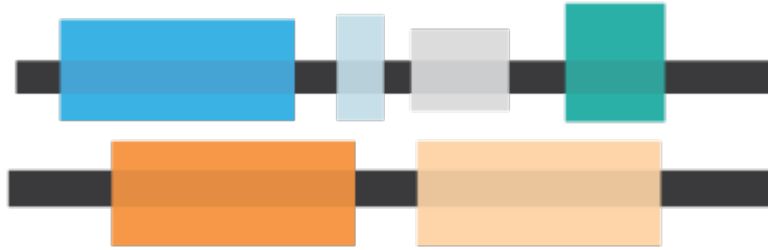# Ilios Curriculum Visualizer

Team Ilios-UCSF
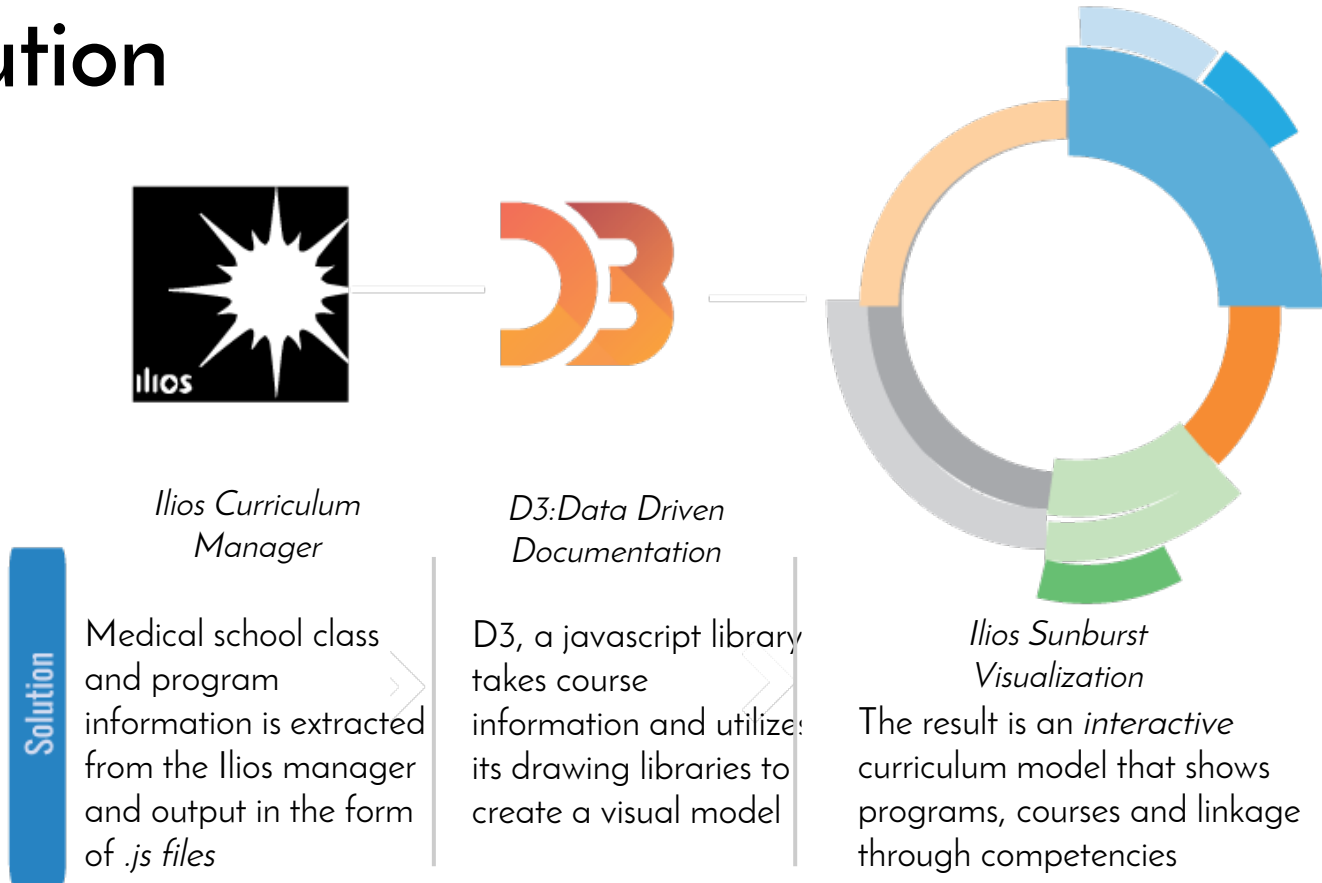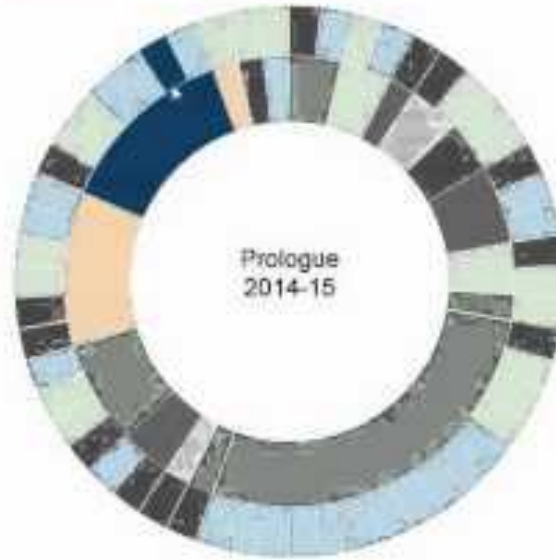
What is the Ilios Curriculum Visualizer?

Current Situation

Currently, medical school curricula is

visualized using static or text-based

models, requiring manual revision

Solution

Ilios Curriculum Manager

Medical school class and program information is extracted from the Ilios manager and output in the form of *.js files*

D3:Data Driven Documentation

D3, a javascript library takes course information and utilizes its drawing libraries to create a visual model

Ilios Sunburst Visualization

The result is an *interactive* curriculum model that shows programs, courses and linkage through competencies
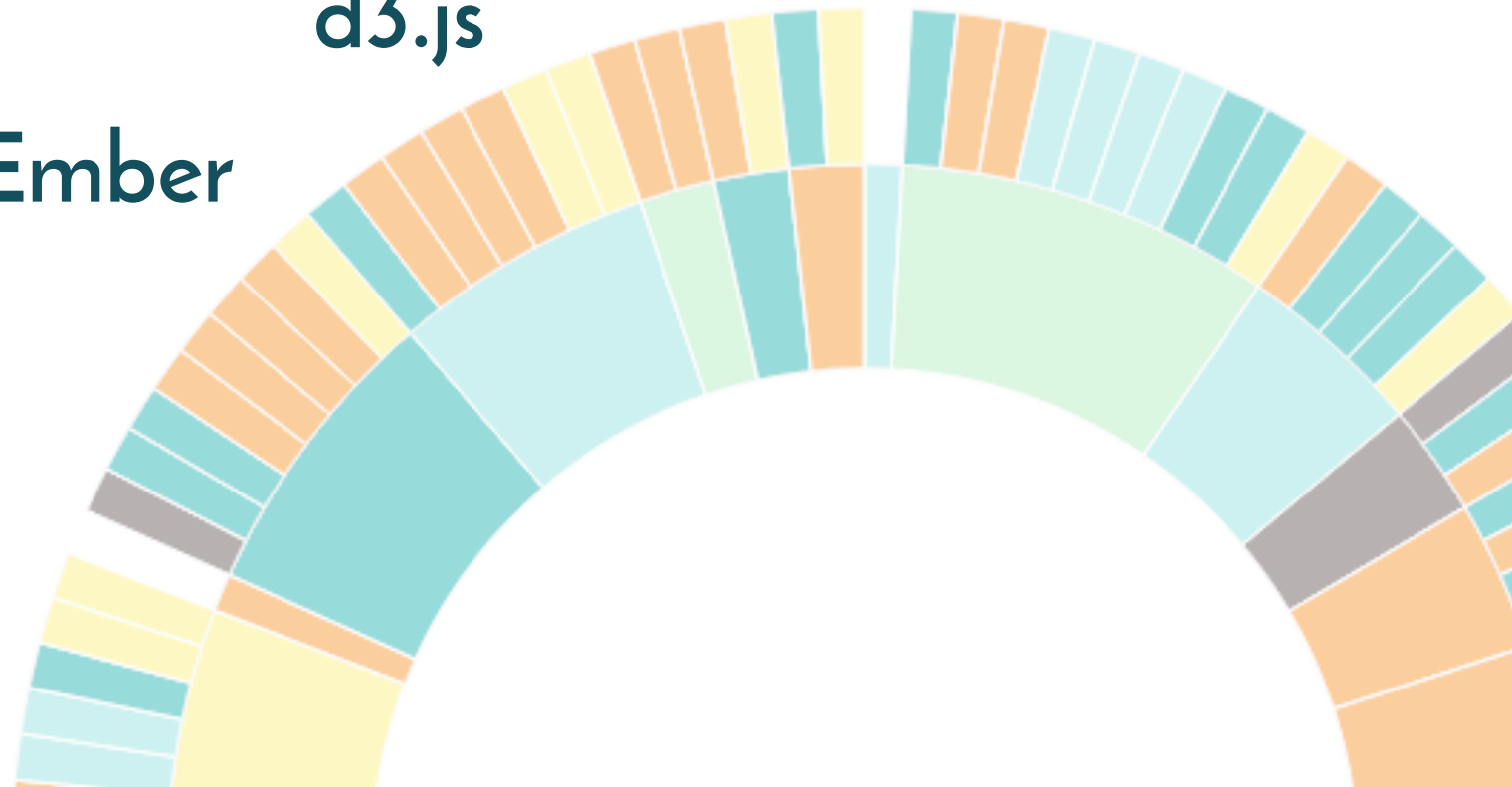
Quick Look

Technologies

Javascript

d3.js
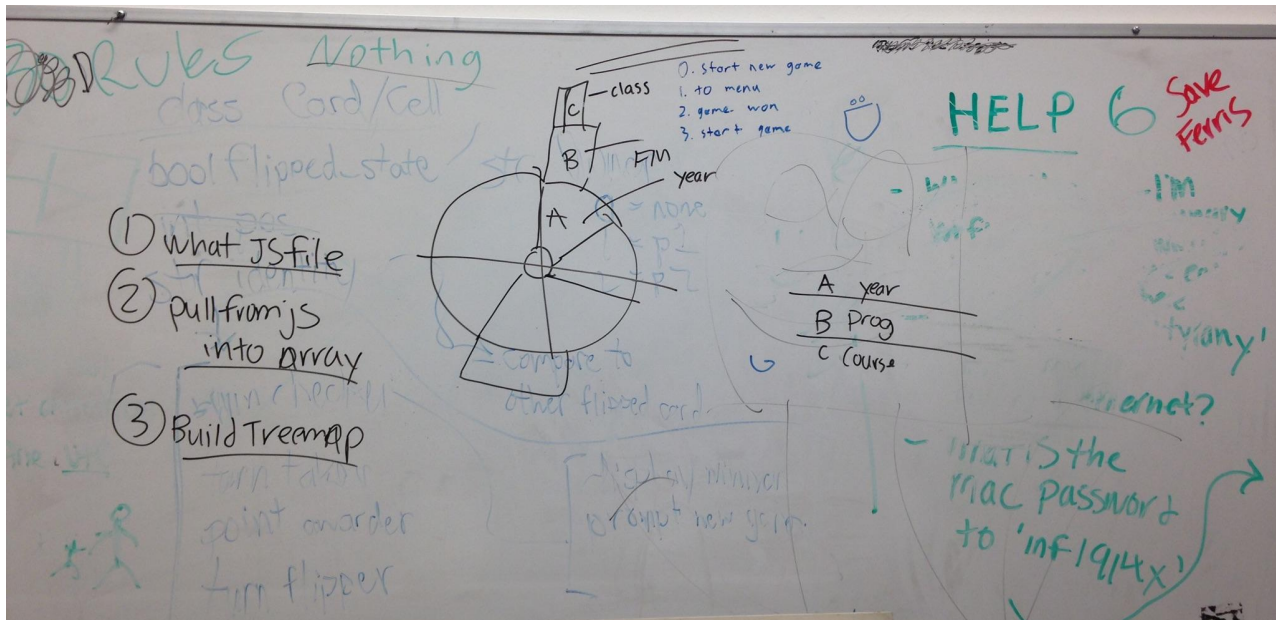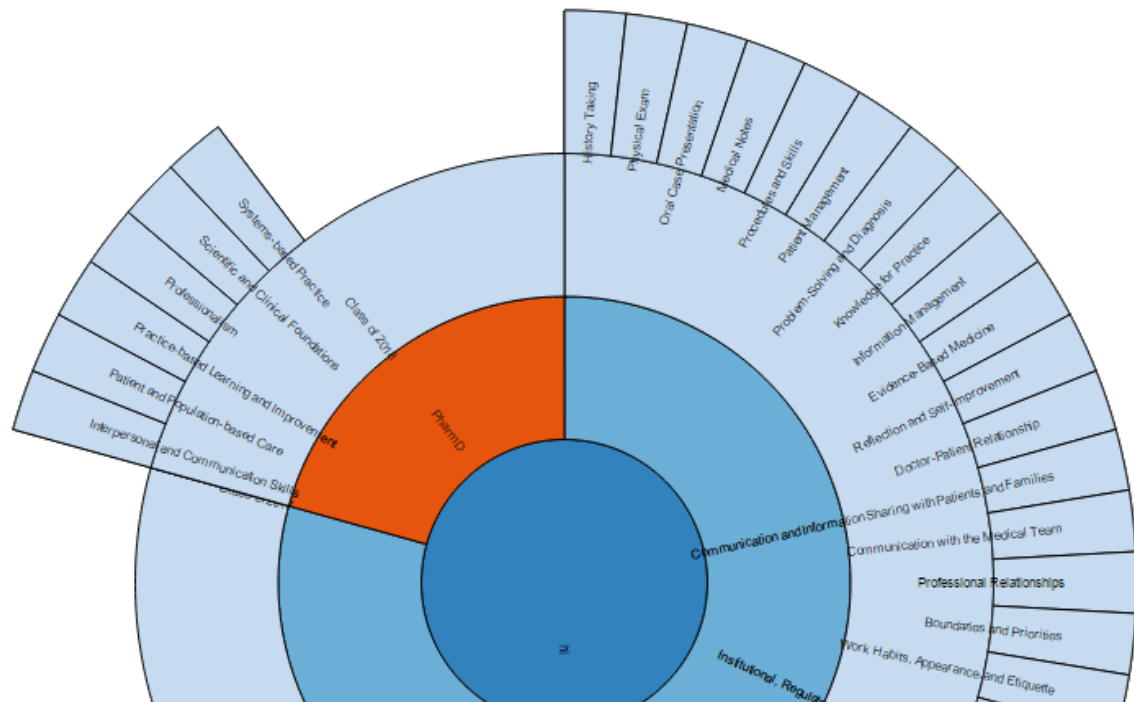
Ember

html

css

Major Accomplishments
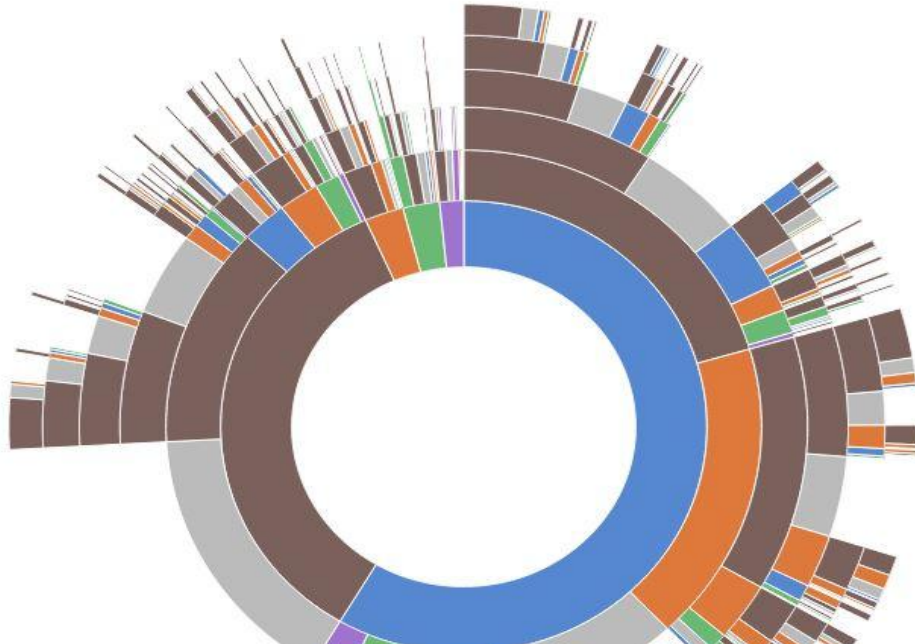
Major Accomplishments

Ilios Curriculum Visualizer

Major Accomplishments

Sequences sunburst

Demo
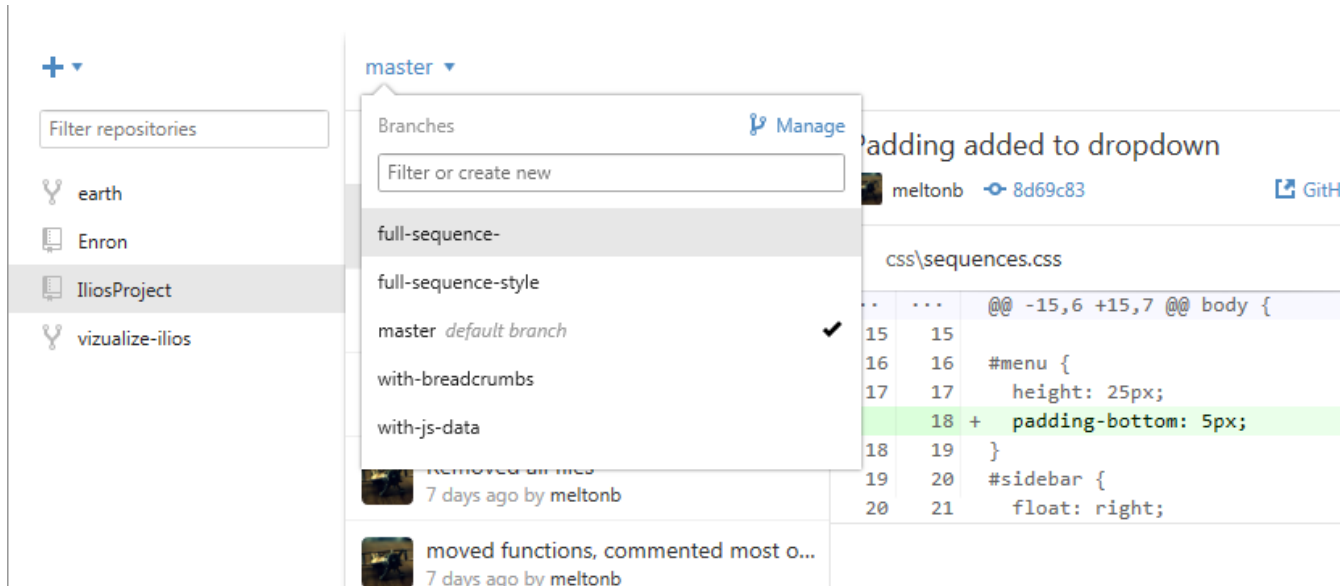
http://ilios.justyne-rene.com/

http://meltonb.github.io/

Lessons Learned - Technological

○ GitHub: Learn how to branch more effectively

○ Push to repo as often as possible

○ Merge back to master

Lessons Learned - Continued

- Project Management
  - It helps to break into teams, then join up
- Real World Experience
  - Constant communication with clients = good
  - Constant communication with team = good

Future | Extensibility

- Different Paths
- Deeper levels of detail
- Responsiveness

Ilios Curriculum Visualizer

Interactive

Each piece is zoomable, uses breadcrumbs to track depth.

Scaleable

Changing the data files associated with the visualizer, update & rebuild automatically.

Intuitive

The sunburst design conveys time and builds up logically incorporating courses to learning outcomes

Thank You!

Questions?