California State University San Bernardino
School of Computer Science and Engineering

CSE 575 Internship Presentation

Date

June 9, 2016

Time

3:00 PM

Place

JB 358

Title

Visualizing Indexed Data:
Using d3.js to Visualize Data Stored in IndexedDB

Student

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Advisor

Dr. David Turner

Abstract

D3.js is a powerful JavaScript framework for creating interactive data visualization in the browser. IndexedDB is a high-speed object-store database that lives in modern browsers. By coupling these two, it's possible to create high-powered offline apps that are used to create informative and fun data visualizations. This method keeps expensive HTTP requests at a minimum after first load, the ability to create self contained apps in the browser that utilize a database without needing a backend, and visualizations that load instantly instead of waiting for remote data to be downloaded.