

7b.042.SBU - Immersive Data Visualization

Proposed Project - Team

Team Member	Role	Email	Phone Number	Academic Sites/Industry Members
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Eugene Sayan	Team Mentor	Not Available	Not Available	Sponsored by: Softheon

Proposed Project - Summary

In this project, we developed a framework for the immersive visualization of healthcare demographics collected by Softheon. Softheon generates comprehensive real-time analytics of member demographics, geographic, transactional, and financial data of health plans, State-Based Marketplaces, and third-party administrators. Utilizing Stony Brook University Reality Deck's large screen real estate, we developed a platform for Softheon to visualize their analysis in giga-pixel resolution. Using our platform, data visualizations can be interactively placed anywhere within the four-walled tiled-display facility and thus, the immersive, 360o horizontal field-of-view workspace will allow users to experience a natural focus + context exploration of the data, in a collaborative environment.



Proposed Project - Details of Progress/Achievements

We developed a framework in Unity3D that can take as input the Softheon analytics data and render the required graph visualizations. Additionally, we developed a plug-in that can render Softheon's dashboard webpage and interact with it.

Proposed Project - Deliverables

Deliverable
1 Develop an application that can render data visualizations in the Reality Deck
2 Develop a plug-in that can render webpages
3 Develop a framework for remote collaboration with the data shown in the Reality Deck using a head-mounted display device

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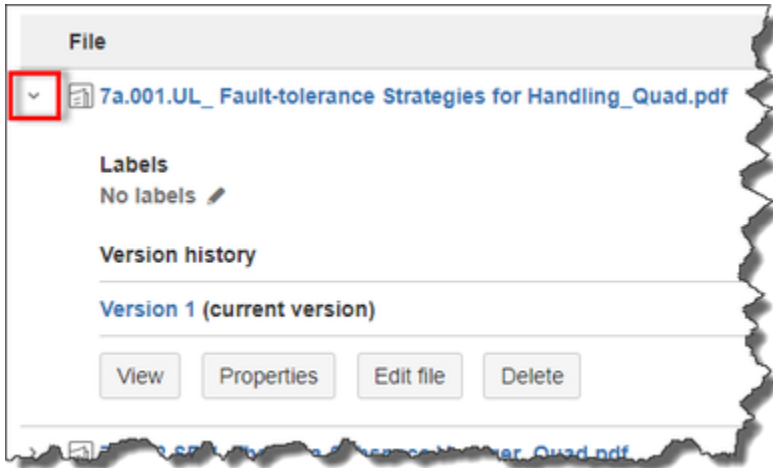
	CVDI 2017 IAB Fall Meeting				
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Proposed Project - Benefits to IAB

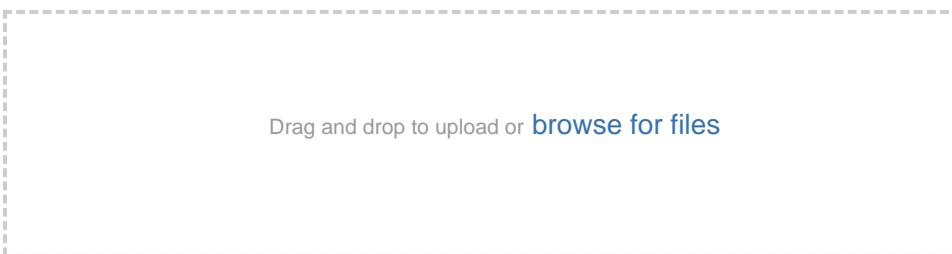
Proposed Project - Documents

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> 7b.042.SBU_2018 Fall Meeting Poster.pptx	Nov 20, 2018 by Sally Johnson
> image2018-11-20_13-24-47.png	Nov 20, 2018 by Sally Johnson
> 7b.042.SBU_Mid-Year Report.docx	Feb 01, 2019 by Sally Johnson



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Year 7 - Funded Projects (7/1/18 - 6/30/19)	+ ★ ☆
Year 8 - Proposed Projects	+ ★ ☆

