Organization Name: Program in Digital Media (LMC), Georgia Tech

Organization Contact Person: Yanni Loukissas

Contact Email: yanni.loukissas@lmc.gatech.edu

Organization Mission: The Digital Media Program at Georgia Tech provides students with a foundation in digital media design and making, a theoretical background in digital media, and the opportunity to practice what is learned in studio courses, labs, and research. We focus on the cultural context of digital media making, where graduate students learn to make with meaning. The resources, facilities and industry connections established and maintained by the program make our students some of the most sought-after graduates in the field today.

Social Innovation Statement: This project will help student interns learn about how interaction design, as a form of innovation, can help more people engage with contemporary scientific concerns like climate change.

Internship Semester: Summer 2021

Project Title #1: Smart Sea Level Sensor Project Map Room (Data)

Keywords: Design, Data, Outreach

SLS Priority Issue Areas: Climate Change, Green Infrastructure, Water, Citizen Science

Priority SDGs: Reduced Inequalities (10), Sustainable Cities and Communities (11), Climate Action (13)

Project Background: The Smart Sea Level Sensors (SSLS) project is a partnership between Chatham Emergency Management Agency officials, City of Savannah officials, and Georgia Tech scientists and engineers who are working together to install a network of internet-enabled sea level sensors across Chatham County. The real-time data on coastal flooding will be used for emergency planning and response. See the project details at https://sealevelsensors.org/ SSLS is partnering with the Map Room Project to develop local spaces for grassroots map-making, where people can creatively and collaboratively explore data on seal level and other phenomena. The Map Room Project empowers people to understand, but also challenge and even redefine the stories that maps and data tell about their lives, and about the places they live.

Project Timeline: This is an on-going project. As short-term milestones will get completed the project will evolve to include a broader scope and more communities.

Desired skills and qualifications: Visual Design, Web Development, Mapping experience

Deliverables: Create new map layers from historical and contemporary data sources

Project Title #2: Smart Sea Level Sensor Project - Map Room (Interactions)

Keywords: Design, Data, Outreach

SLS Priority Issue Areas: Climate Change, Civic Data, Green Infrastructure, Water, Citizen Science
Priority SDGs: Reduced Inequalities (10), Sustainable Cities and Communities (11), Climate Action (13)

Project Background: The Smart Sea Level Sensors (SSLS) project is a partnership between Chatham Emergency Management Agency officials, City of Savannah officials, and Georgia Tech scientists and engineers who are working together to install a network of internet-enabled sea level sensors across Chatham County. The real-time data on coastal flooding will be used for emergency planning and response. See the project details at https://sealevelsensors.org/ SSLS is partnering with the Map Room Project to develop local spaces for grassroots map-making, where people can creatively and collaboratively explore data on seal level and other phenomena. The Map Room Project empowers people to understand, but also challenge and even redefine the stories that maps and data tell about their lives, and about the places they live.

Project Timeline: This is an on-going project. As short-term milestones will get completed the project will evolve to include a broader scope and more communities.

Desired skills and qualifications: Visual Design, Interaction Design, User Experience

Deliverables: Develop interaction protocols for facilitators and participants