Hamza Elhamdadi

Graduate Researcher
College of Information and Computer Sciences
University of Massachusetts Amherst

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Area of Expertise

Information Visualization, Data Communication, Trust in Data Visualization

Education

In-Progress	University of Massachusetts Amherst	Ph.D. in Computer Science
2021	University of South Florida	M.S. in Computer Science
2020	University of South Florida	B.S. in Computer Science *(minor: Mathematics)*

Research Positions

2021– Graduate Student, UMass Amherst HCI-VIS Lab
Advisor: **Cindy Xiong**

2019-2021 Research Assistant, USF Data Visualization Lab
Topological Data Analysis, Affective Computing Data Visualization
Advisor: **Paul Rosen**

Selected Fellowships and Awards

2021 UMass Amherst Jumpstart Fellowship

Refereed Publications

2022 **Elhamdadi, H.**, Gaba, A., Kim, Y., & Xiong, C.
How Do We Measure Trust in Visual Data Communication?

2021 **Elhamdadi, H.**, Canavan, S., & Rosen, P.
AffectiveTDA: Using Topological Data Analysis To Improve Analysis And Explainability In Affective Computing.

2022 Srivastava, S., Lakshminarayan, S., Hinduja, S., Jannat, S.R., **Elhamdadi, H.**, Canavan, S.
Recognizing Emotion in the Wild using Multimodal Data

Lightly-Reviewed Workshop Papers

2022 **Elhamdadi, H.**, Padilla, Lace., & Xiong, C.
Using Processing Fluency as a Metric of Trust in Scatterplot Visualizations
IEEE VIS TREX Workshop 2022.

Conference and Workshop Talks

2022 **Elhamdadi, H**., Gaba, A., Kim, Y., & Xiong, C.
How Do We Measure Trust in Visual Data Communication?
IEEE VIS BELIV Workshop, 2022.

2022 **Elhamdadi, H.**, Padilla, L., & Xiong, C.
Using Processing Fluency as a Metric of Trust in Scatterplot Visualizations.
IEEE VIS TREX Workshop 2022.

2022 Wilmer, J., **Elhamdadi, H.**, Savalia, T., & Zeb, T.B.A.
Data Visualization Micro-Talk.
Vision Sciences Society, 2022.

2021 **Elhamdadi, H.**, Canavan, S., & Rosen, Paul.
AffectiveTDA: Using Topological Data Analysis To Improve Analysis And Explainability In Affective Computing.
IEEE VIS, 2021.

Refereed Poster Presentations

2022 **Elhamdadi, H.**, Padilla, L., & Xiong, C.
Processing Fluency Improves Trust in Scatterplot Visualizations.
IEEE VIS Posters 2022.

Teaching Experience

Teaching Assistant

2022 Fall	Programming Methodologies	UMass Amherst

Professional Services

Academic Service

2021 Student Volunteer
IEEE VIS 2021

Undergraduate Students Mentored

2021 – Guilherme Santos Rocha