

GHULAM JILANI QUADRI

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EDUCATION	Doctor of Philosophy , Computer Science and Engineering <i>University of South Florida</i> GPA 4.0	2017 – PRESENT
	Master’s of Science , Computer Science <i>University of South Florida</i> GPA 4.0	2017
	Bachelor’s of Engineering , Computer Engineering <i>University of Mumbai</i> GPA 3.6	2012
RESEARCH	Information Visualization, Perceptual Visualization, Visualization Design. Human-Computer Interaction, Interactive Methodology.	
EXPERIENCE	Research Assistant , <i>University of South Florida</i>	AUG 2017 – PRESENT
	Summer NSF Cohort , <i>University of South Florida</i>	SUMMER 2017
	Teaching Assistant , <i>University of South Florida</i>	MAY 2016 – MAY 2019
	Software Engineering Intern , <i>LeapDoctor.com, Tampa, FL</i>	SEP 2016 – NOV 2017
	System Engineer , <i>Infosys Limited, Pune, India</i>	AUG 2013 – AUG 2015
	Lecturer , <i>MHSSP, Mumbai, India</i>	AUG 2012 – AUG 2013
	Undergraduate Research Intern , <i>TIFR, Mumbai, India</i>	AUG 2011 – NOV 2012
AWARD	Doctoral Colloquium - IEEE VIS	2020
	Indeevar and Srinath Memorial Scholarship - College of Engineering	2020
	Spirit of Innovation Award - College of Engineering	2019
	IEEE VAST Challenge Honorable Mention	2017
PUBLICATIONS	Modeling the Influence of Visual Density on Cluster Perception in Scatterplots Using Topology, <i>Ghulam Jilani Quadri, Paul Rosen (Submitted to IEEE VIS 2020)</i>	
	LineSmooth: An Analytical Framework for Evaluating the Effectiveness of Smoothing Techniques on Line Charts, <i>Paul Rosen, Ghulam Jilani Quadri (Submitted to IEEE VIS 2020)</i>	
	You Can’t Publish Replication Studies (and How to Anyways), <i>Ghulam Jilani Quadri, Paul Rosen In Proceedings of VIS’19: IEEE Conference on Visual- ization. Workshop on Vis X Vision, 2019.</i>	
	A Case-Study on Variations Observed in Accelerometers Across Devices, <i>Ghulam Jilani Quadri, Paul Rosen (Under preparation)</i>	
	Visualization Journey Through Perception: A Survey, <i>Ghulam Jilani Quadri, Paul Rosen (Under preparation for TVCG 2020)</i>	
	Visual Analytic Design for Characterizing Air-Sampling Sensor Performance and Operation, <i>Ghulam Jilani Quadri, Anwesh Tuladhar, Sulav Malla, Paul Rosen In IEEE Conference on Visual Analytic Science and Technology (VAST Challenge), pages 217–218, 2017.</i>	
	Data Aggregation and Visualization Technique for Traffic Sensor Data, <i>Anwesh Tuladhar, Sulav Malla, Ghulam Jilani Quadri, Paul Rosen In IEEE Conference on Visual Analytic Science and Technology (VAST Challenge), pages 239–240, 2017.</i>	
	Multi-Spectral Satellite Image Analysis for Feature Identification and Change Detection, <i>Sulav Malla, Anwesh Tuladhar, Ghulam Jilani Quadri, Paul Rosen In IEEE Conference on Visual Analytic Science and Technology (VAST Challenge), pages 205–206, 2017.</i>	

TEACHING	Teaching Assistant , <i>University of South Florida</i>	MAY 2017 – SUMMER 2020
	Computer Organization (CDA3103) with 60 students : Summer 2020.	
	Computer Info Networks (CNT4104) with 58 students : Spring 2020.	
	Malware Analysis & Reverse Engineering (COP4931) with 50 students : Spring 2020.	
	Data Visualization (CIS4930/6930) with 50 students : Spring 2018 & 2019.	
	Object Oriented Programming (COP2513) with 90 students : Spring 2019.	
	Principle of Computer Architecture (EEL6764) with 60 students : Fall 2017.	
	Analysis of Algorithm (COT4400) with 45 students : Summer 2016.	
	Instructor , <i>University of South Florida</i>	MAY 2017 – AUG 2017
	User-level Linux Intro to IT (COP3353) with 61 students : Summer 2017..	
	Lecturer , <i>M.H.S.S. Polytechnic, Mumbai, India</i>	AUG 2012 – AUG 2013
	Computer Fundamentals with 50 students (3 sections) : Fall 2012.	
	Computer Graphics with 40 students : Fall 2012.	
	Object Oriented Programming with 40 students : Spring 2013.	
PROJECTS	TopoClutser : Cluster Perception in Scatterplot, <i>Info. Visualization</i>	AUG 2017 - PRESENT
	Designed, implemented, and evaluated effect of graphical encodings on perceived cluster identification using multi-factor analysis.	
	TopoLine : Line Chart Smoothing, <i>Info. Visualization</i>	OCT 2019 - PRESENT
	Evaluating the task effectiveness on different line chart smoothing techniques	
	Variability in Wearable Sensors, <i>Sensor- HCI</i>	MAY 2019 - AUG 2019
	Worked on accelerometers sensor data visualization to study their variance on different devices.	
	Mini Challenge 1, 2, and 3, <i>IEEE VAST Challenge</i>	MAY 2017 - JUL 2017
	Submitted three challenges in a group and won Honorable Mention Award for Mini Challenge 3.	
	Data Visualization, <i>Designing Visualization on Various Data-sets</i>	JAN 2017 - MAY 2017
	Developed various visualization on the datasets using the tools like Tableau, Processing.	
LEADERSHIP	Executive Board, <i>Tau Beta Pi, FLG University of South Florida</i>	2017 - 2019
	President, <i>Literature Club, FLG University of South Florida</i>	2017 - 2019
	Expo Club Director, <i>College of Engineering, University of South Florida</i>	2018 - 2019
SERVICE	Reviewer for Case-studies, <i>ACM CHI Conference</i>	2020
	Mentor for Research Experience for Undergraduate, <i>University of South Florida</i>	2019
	Student Academic Integrity Committee, <i>University of South Florida</i>	2019 - 2020
	Student Volunteer, <i>IEEE- VIS Conference</i>	2017, 2018, 2019
	Student Volunteer - Day Captain, <i>IEEE- VIS Conference</i>	2019
PRESENTATION	You Can't Publish Replication Studies (and How to Anyways), IEEE VIS, Vancouver,2019	OCT 2019
	Flit-Path Industry and research Shadow Experience, University of South Florida, Tampa	Nov 2018
	Modeling Cluster Multi-factor Perception in Scatterplots Using Merge Trees, IEEE VIS, Berlin,2018	OCT 2018
	MultiSpectral Satellite Image Analysis for Feature Identification & Change Detection, IEEE VIS, Phoenix,2017	OCT 2017
GRANTS	Doctoral Colloquium Travel Grant <i>IEEE VIS, Utah</i>	2020
	International Travel Grant <i>\$1500 from University of South Florida for international travel to attend conference.</i>	2019
	NSF I-Corp <i>Funding of \$4000 for working towards for ride-share load matching Patent</i>	2017
DEVELOPMENT	Preparing for College Teaching- Course	2018
	ATLE Teaching Assistant Training	2017,2018