



- Trained and mentored over 20 employees, enhancing team efficiency and communication.
- Managed merchandise presentation and facility maintenance, contributing to a 5.5% YoY sales increase in a \$100M/year facility.

Projects	<b>Portfolio Website — jpthefish.com</b>	December 2022 - Present
	Messaging platform where users collaborate and share design and research ideas	
	<ul style="list-style-type: none"> <li>• Deployed a full-stack web application with daily traffic using React.js, Firebase, and SQL.</li> <li>• Created a chatroom with sign-in authentication, back-end security logic, and word filtering.</li> <li>• Designed and implemented a responsive UX design with careful attention to visual accessibility.</li> </ul>	
	<b>Replication of 3D Scenes in OpenGL</b> with Ronald Bishop	Spring 2024
	Course project, CS-330 Computational Graphics and Visualization	
	<ul style="list-style-type: none"> <li>• Developed an interactive 3D graphics scene using OpenGL to replicate real-world 2D images into a navigable virtual environment.</li> <li>• Modularized the shaders for vertex and fragment processing, optimizing the rendering process and enhancing the realism of textures, lighting, and material properties.</li> <li>• Implemented a user interface with keyboard and mouse controls for navigating the scene, exploring orthographic and perspective views, and simulating camera movements.</li> <li>• Explored the applicability of graphics pipeline techniques to computer vision by simulating an example of object recognition and spatial analysis within a controlled 3D environment.</li> </ul>	
	<b>Grazioso Salvare Analytics Dashboard</b> with Dr. Sherri Maciosek	Spring 2023
	Course project, CS-340 Client/Server Development	
	<ul style="list-style-type: none"> <li>• Developed an analytics dashboard for an Austin-based rescue-animal company using Python, MongoDB, and the Dash framework.</li> <li>• Implemented interactive data visualization components, including tables, charts, and geolocation maps, enabling stakeholders to filter and analyze animal shelter data by relevant criteria.</li> </ul>	
	NSF/ASME Student Design Essay Competition Award – \$1,500	June 2024
	Graduation with Honors and Distinction at SNHU (Summa Cum Laude)	May 2024
	Alpha Sigma Lambda	November 2023
Service and Organizations	<i>Member</i> , Association for Computing Machinery (ACM)	September 2024 - Present
	<i>Member</i> , American Society of Mechanical Engineers (ASME)	July 2024 - Present
	<i>Member</i> , National Society of Leadership and Success (NSLS)	March 2024 - Present
	<i>Volunteer Contributor</i> , Wikimedia Foundation	May 2020 - January 2022
Technical Skills	Languages: Python, SQL, R, Java, C/C++, MATLAB, JavaScript Data technology: PostgreSQL, MySQL, MongoDB, Firebase/Firestore Tools and frameworks: Git, AWS, Docker, OpenGL, React, Tableau	
Certifications	Google Advanced Data Analytics Certificate, Coursera Inc.	January 2024
	People and Business Leadership Certificate, Bellevue University	March 2021
	GED Mathematics Credit (top 1-8% of high school graduates)	December 2018
Languages and Other Skills	Intermediate Spanish (B1) and French (B2) Language Fluency Classical and Jazz Piano	
References	<b>Dr. Farrokh Mistree</b>	
	Professor and L.A. Comp Chair at OU, <b>Email:</b> farrokh.mistree@ou.edu, <b>Tel:</b> (404) 502-9086	
	<b>Dr. Janet K. Allen</b>	
	Professor and John and Mary Moore Chair at OU, <b>Email:</b> janet.allen@ou.edu, <b>Tel:</b> (405) 550-3969	
	<b>Dr. Sherri Maciosek</b>	
	Adjunct Professor at SNHU, <b>Email:</b> s.maciosek@snhu.edu, <b>Tel:</b> (715) 479-3408	