

- 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	Academic Portfolio Website — jpthefish.com	December 2022 - Present
	Messaging platform where users can collaborate and share design and research ideas	
	<ul style="list-style-type: none"> • Deployed a full-stack web application with daily traffic using React.js, Firebase, and SQL • Created a chatroom with sign-in authentication, back-end security logic, and word filtering • Designed and implemented a responsive UX design with careful attention to visual accessibility 	
	Replication of 3D Scenes in OpenGL with Ronald Bishop	Spring 2024
	Course project, CS-330 Computational Graphics and Visualization	
	<ul style="list-style-type: none"> • Developed an interactive 3D graphics scene using OpenGL to replicate real-world 2D images into a navigable virtual environment • Modularized the shaders for vertex and fragment processing, optimizing the rendering process and enhancing the realism of textures, lighting, and material properties • Implemented a user interface with keyboard and mouse controls for navigating the scene, exploring orthographic and perspective views, and simulating camera movements • 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 	
	Grazioso Salvare Analytics Dashboard with Dr. Sherri Maciosek	Spring 2023
	Course project, CS-340 Client/Server Development	
	<ul style="list-style-type: none"> • Developed an analytics dashboard for an Austin-based rescue-animal company using Python, MongoDB, and the Dash framework • Implemented interactive data visualization components, including tables, charts, and geolocation maps, enabling stakeholders to filter and analyze animal shelter data by relevant criteria 	
Honors and Awards	NSF/ASME Student Design Essay Competition Award – \$1,500	June 2024
	Graduation with Honors and Distinction at SNHU (Summa Cum Laude)	June 2024
	Alpha Sigma Lambda	December 2023
Service and Leadership Roles	<i>Member</i> , National Society of Leadership and Success (NSLS)	March 2024 - Present
	<i>Lab Volunteer</i> , Systems Realization Laboratory at OU	August 2023 - Present
	<i>Employee Mentor and Supervisor</i> , Walmart	February 2022 - 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.	December 2023
	People and Business Leadership Certificate, Bellevue University	March 2021
Languages and Other Skills	Intermediate Spanish (B1) and French (B2) Language Fluency	
	Classical and Jazz Piano	
References	Dr. Farrokh Mistree	
	Professor and L.A. Comp Chair at OU, Email: farrokh.mistree@ou.edu, Tel: (404) 502-9086	
	Dr. Janet K. Allen	
	Professor and John and Mary Moore Chair at OU, Email: janet.allen@ou.edu, Tel: (405) 550-3969	
	Dr. Sherri Maciosek	
	Adjunct Professor at SNHU, Email: s.maciosek@snhu.edu, Tel: (715) 479-3408	