

JAN STEINHAUER

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AWARDS

Apple Swift Student Challenge Winner 2025 – Selected from 10,000+ global submissions
Presidential Award for Global Learning – University of Texas at Austin

EDUCATION

Julius-Maximilian University Würzburg <i>MSc in Human-Computer Interaction (In Progress)</i>	Würzburg, Germany 2025 – 2027
University of Texas at Austin <i>Bachelor of Engineering in Computer Engineering (Exchange Year)</i>	Austin, TX 2023 – 2024
Julius-Maximilian University Würzburg <i>BSc in Human-Computer Interaction</i>	Würzburg, Germany 2021 – 2025

TECHNICAL SKILLS

Languages: Swift, Python, Typescript, JavaScript, SQL, HTML/CSS
Frameworks/Libraries: SwiftUI, React, Node.js, Azure Functions, RealityKit, ARKit, Firebase
Tools & Platforms: Git, Xcode, Azure, Reality Composer Pro, Linux, Microsoft SharePoint APIs
Testing & CI/CD: XCTest, Jest, GitHub Actions
Specializations: iOS/visionOS Development, AR/VR, LLM Integration (GPT-4 API, RAG), Data Visualization

PROFESSIONAL EXPERIENCE

AI Software / VisionOS Developer SAP	Mar 2025 – Present Walldorf, Germany
- Adjusted Joule Work Desktop demo (Mac/Windows) for SAP's Business AI Platform with script import, adjustable pacing, and stage ready button input; deployed to SAP showroom - Developed Vision Pro app for AI driven remote data center audits with zero-trust architecture and a custom trained ML model, eliminating international travel for SAP audit teams - Rebuilt Sapphire C Suite Experience as a BTP web app - Developed Apple Vision Pro Apps for SAP data visualization and storytelling. Presented Spatial Computing at over 25+ Events	
AI Research Assistant - Texas German Dialect Project University of Texas at Austin	Oct 2023 – Dec 2024 Austin, TX
Architected custom LLM platform for preserving endangered Texas German dialect, processing 10,000+ linguistic samples with 85% accuracy improvement via fine-tuned GPT-based models; built React/Python full-stack app for community access	
AI Research Assistant - iSchool Thesis Project University of Texas at Austin	Aug 2023 – May 2024 Austin, TX
Researched LLM applications for information science, implementing RAG pipelines and a responsive React interface, improving research workflow efficiency by 40%	
Front-End Web Developer COPiTOS	Jun 2022 – Aug 2023 Frankfurt, Germany
Designed and deployed 5+ React web apps integrated with Azure Functions and Microsoft SharePoint APIs for enterprise clients, reducing page load times by 30%; translated Figma mockups into responsive components	
iOS Engineer Kustomised	Sep 2021 – May 2022 Stuttgart, Germany
Architected full-stack iOS solution integrating SwiftUI, Firebase Realtime Database, and on-device CoreML models for real-time object detection and spatial mapping, achieving sub-10cm measurement accuracy	

PROJECTS

Viva Monarch - Vision Pro App <i>Swift, visionOS, RealityKit</i>
Built immersive educational experience with volumetric video, spatial audio, and interactive 3D habitat exploration showcasing Monarch Butterfly migration patterns and conservation efforts
Quantum Mechanics Modeling Software <i>Python, React, NumPy, Three.js</i>
Led 4-person team to build physics simulation tool for UT Austin students with Schrödinger equation solvers and real-time 3D visualization; deployed for Physics department coursework

CERTIFICATIONS & ACTIVITIES

Certifications: Positioning SAP Business AI Platform | SAP AI Leader Foundation Program | SAP Product Essential thinking Workshop | Harvard Technology Entrepreneurship: Lab to Market
Leadership: Co-organizer, UT Austin Natural Language Learning Reading Group | Volunteer, Project Sunshine (Dell Children's Hospital) | Member, HCI Organization Würzburg
Languages: German (Native), English (Native), Spanish (Fluent), Italian (Beginner)