Karsten Steinhorst

Bay Area, CA | (707) 843-8474 | karsten.steinhorst@gmail.com | ksteinhok.github.io

PROFESSIONAL EXPERIENCE

VFX Artist (Contract)
NDA - Remote
October 2024 — January 2025
- Designed and implemented real-time VFX in Unity using VFX Graph, Shader Graph, Photoshop, and Blender.
- Delivered stylized visual effects aligned with gameplay and art direction, optimized for real-time performance across platforms.
- Created procedural shaders and particle systems while collaborating with project lead.

VR Game Developer
Bentley Lab *- Rohnert Park, CA*
August 2023 — May 2024

- Designed and implemented a VR game in Unity to teach LiDAR concepts, optimizing visual fidelity and runtime performance across VR platforms.
- Conducted rigorous debugging and quality assurance to ensure smooth performance across different VR platforms
- Collaborated with faculty to gather user feedback, making iterative improvements to the project based on real-time testing.

CODEversity Program Assistant Internship
Students Rising Above *- San Francisco, CA*
January 2023 — August 2023

- Collaborated with a team of 5 tech professionals to create and implement a coding curriculum for 25 undergraduates, focusing on web development using Python, HTML, and CSS.
- Worked closely with students during office hours to resolve technical issues, debug code, and validate functionality of web applications.
- Conducted user testing sessions with students to gather feedback and iterate on course content, improving accessibility and user-friendliness of the coding environment.

HONORS & AFFILIATIONS

Students Rising Above: One out of 75 students selected from 700+ applicants awarded membership into a selective college program targeting students demonstrating a deep commitment to education and strength of character in overcoming adversity (August 2018 — Present)

TECHNICAL SKILLS

Unity (C#, VFX Graph, Suriken, Shader Graph) • **Unreal Engine** (Niagra) • **Blender** • **Photoshop**
Python • Git • Shader Development • Cross-functional Collaboration • Documentation

EDUCATION

Bachelor of Science in Computer Science
Sonoma State University,
Graduated May 2023