

KARSTEN STEINHORST

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PROFESSIONAL EXPERIENCE

Bentley Lab - Rohnert Park, CA

August 2023 — May 2024

Game Programmer / VR Developer Contract

- Developed a VR game in Unity to enhance students' understanding of LiDAR technology, resulting in improved engagement and learning outcomes.
- Designed accessible and user-friendly interactive VR projects, ensuring an inclusive experience for users unfamiliar with VR.
- Mentored a student assistant, delegating tasks and to streamline the VR development process.

Students Rising Above - San Francisco, CA

January 2023 — August 2023

CODEversity Program Assistant Internship

- 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.
- Conducted office hours to support students working on labs and projects, clarifying course material and offering personalized support.
- Cultivated a creative learning environment, encouraging students to experiment, explore, and innovate.

Sonoma State University - Rohnert Park, CA

August 2022 — August 2023

Makerspace Student Coordinator

- Managed and coordinated the daily operations of the SSU makerspace used by students, faculty, and campus visitors
- Created documentation and instructional guides on Virtual Reality equipment and lessons
- Troubleshooted and maintained a wide array of hardware and software, ensuring smooth and uninterrupted operations.

Center of Environmental Inquiry - Rohnert Park, CA

April 2020 — August 2022

Lead Video Editor

- Produced 120 educational videos showcasing 30 environmental reserves around the world, providing accessible learning material during Covid Lockdown
- Trained and led a team of new hires in editing and production techniques, improving team efficiency and output

SKILLS

Languages: Proficient in C++, Python, UNIX, C#, HTML, CSS, JavaScript, ReactJS

Technical Skills: Software Development, Web Development, Game Development(Unity, Unreal Engine), Video Editing (Vegas Pro, Adobe Premiere), 3D Modeling (3D Studios Max, Blender), Graphic Design

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)

PROJECTS - [ksteinhok.github.io](https://www.github.com/ksteinhok)

Senior Project: Spotify Data Visualization Site using React/D3

November 2023

Unity LiDAR in Forestry VR Experience

March 2024

EDUCATION

Sonoma State University, Bachelor's Degree in Computer Science

Graduated May 2023