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IMMERSIVE DIGITAL AUDIO WORKSTATION

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This project is a spatially driven Digital Audio Workstation (DAW) concept that reimagines the typical music creation process by placing the user inside a digital recreation of a studio environment using virtual reality. This project explores how music composition, collaboration, and performance can be made more intuitive and accessible by positioning musical creation tools within a virtual 3D space. Users can interact with instruments and engage with elements of the music creation process through immersive, hands-on experiences in virtual reality. In some cases, this approach can make these tools more accessible to individuals who may not have access to a dedicated mixing or music creation space. Our focus is on emulating as much of the music creation and mixing process as possible while ensuring the environment runs smoothly on standalone VR hardware, usability, and realism.