

June 25, 2021

To Whom it May Concern:

I am writing this letter is to briefly introduce my project—3D Modeling California State University, San Bernardino Campus. I am using this project in my application for the 2021 HETS Learning Technologies Leadership Academy. Utilizing and manipulating 3D space for both social commutation and academy studies is an important trend for the future. My Lab (eXtended REality And Learning-xREAL) has an ambitious plan to move forward in 3D immersive learning. We are beginning our first step with the Simulation/Digital Twin project. This project calls for the use of highly accurate laser scanners and cameras to precisely capture the CSUSB campus digitally. I will be leading the xREAL Lab in the scanning of the campus with the laser scanner. Once the campus grounds are scanned, we will scan the interior of each building on campus. Finally, we will construct a 3D model of the whole campus. I will partner with faculty from: Design Geology, Physics, Math, and Computer Science & Engineering departments to make the model function properly. We intend the model to be used to predict and act on all manner of campus issues, such as natural disasters, (the San Andreas fault runs across our campus) security issues like active shooter training, event planning and virtual campus tours for students and potential employees.

For the project, I would like to invite Professor Kurt B Collins to be my mentor, to supervise me on the scanning and the creation of a 3D model, to facilitate cooperation with different academic departments and guide me through some of the pitfalls in a large project such as this. Collins is a 3D design and animation professor at California State University, San Bernardino. He is one of founders of our xREAL lab. During the past one and half pandemic years, Collins worked with me to accomplished 2020 – 2021 MFA virtual exhibitions and many other 3D Virtual Reality and Augmented Reality projects. Working with Professor Collins, learning from his expertise and rich experiences in this academic specialty, will enable me to complete this campus-transforming project and create a valuable asset for our University.

Signature and Contacts of my Mentor Professor Kurt B Collins:

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Sincerely,
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