Kheera King

Simulation Developer
Orlando, FL

Kheera.dev
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Portfolio CV Version

SUMMARY

Multidisciplinary developer with hands-on experience in real-time simulation, UI/UX for XR, and interactive systems. Driven by curious and a deep interest in immersive technology, I am focused on designing engaging user experiences and responsive systems for the simulation industry.

SKILLS

- Unreal Engine
- VR/AR
- Interactive Design
- UI/UX for XR

- SolidWorks
- Unity
- Digital Fabrication
- PCB Prototyping

- Git
- Blueprint Visual Scripting
- Microcontrollers
- 3D Printing

EXPERIENCE

Sensory Hand – Interactive Panel for Neurodiverse Users   *April 2025 – May 2025*
University Project
- Developed an interactive sensory panel that responds to hand placement through embedded sensors and multi-zone LED feedback.
- Fabricated custom housing with 3D printing, CNC milling, soldering, and digital fabrication techniques to integrate form and function.
- Utilized GitLab / GitHub for version control and team collaboration; created project flow and UI mockups in Figma to guide to development and integration.

Fortuna – Augmented Reality Tour of Simulation Building   *April 2025 – May 2025*
University Project

- Planned and scoped an augmented reality experience of the Simulation building in Full Sail University in collaboration with a 5-person team using Unreal Engine and Oculus.
- Built interactive UI elements and portal-based navigation with Blueprint and GIMP.
- Authored virtual guide dialogue scripts and contributed to debugging and team-wide integration using GitLab for version control and collaboration.

Stewart Platform – Small-Scale simulator base   *September 2024 – October 2024*
University Project
- Designed a 6-DOF Stewart Platform in SolidWorks; fabricated structural components via 3D printing, laser cutting, and digital fabrication.
- Milled a custom PCB from Eagle design files and CNC milling, assembled and soldered components for full system integration.
- Programmed Arduino-based control system to drive platform movement across six degrees of freedom.

EDUCATION

B.S. Simulation & Visualization   November 2022 - July 2025
Full Sail University, Winter Park FL
   Relevant Coursework: Virtual & Augmented Reality, Simulation Production, Machine Intelligence Systems, Digital Fabrication, Computer Networks, Simulation & Visualization Software, Microcontrollers, Operating Systems, Software Engineering, Applied Human-Computer Interaction, Data Structures and Algorithms, Data Visualization & Modeling

AWARDS/RECOGNITIONS

- Inducted member of The National Society of Collegiate Scholars, recognizing academic achievement.