CARR ENGINEERING, INC.

12500 CASTLEBRIDGE DRIVE   HOUSTON, TX 77065-4532
TELEPHONE: 281-894-8955
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Curriculum Vitae for Mark Parker

Specialized Professional Competencies

o Unity and Unreal Development	o Computer Programming
o 3D Modeling	o VR/AR/MR Development
o 3D Animation	o Digital Sculpting
o Physics-Based Rendering	o Classroom Instruction

o Proficient with software including: Autodesk Maya, AutoCAD, Z-Brush, Substance Painter, Substance Designer, Adobe Photoshop, Adobe After Effects, Reality Capture, Unreal, and Visual Studio.

Professional Experience

o Carr Engineering, Inc., 2022 to Present
  - 3D Modeling and Animation Specialist
  - Analysis of motor vehicle collisions using scaled 3D models and physics-based animations.

o Houston Community College, 2020 to 2022
  - Adjunct Professor
  - Developed lesson plans and taught in both virtual and in-person learning environments.

o Sharpvision Software, 2020-2022
  - Gamification Programmer
  - Worked in a team environment to create virtual training materials for the Department of Defense.

o Fuel FX, Inc., 2018-2020
  - Gamification Programmer
  - Developed interactive applications for education, entertainment, and training environments.

o EdvenSoft Solutions, LLC. (Contract), 2016-2017
  - CAD Developer/Programmer
  - Code applications for Siemens NX using the NXOpen API (C#) to aid in design automation.

o Mustang Engineering, 2011 to 2014
  - Programmer/Process Piping Designer
  - CadWorx support for transition from 2D drawings to 3D piping and equipment modeling.

o UniversalPegasus, International, 2003-2011
  - Project Design Specialist
  - Provide design layout of mechanical and electrical requirements for gas metering stations.

Education
o Bachelor of Science, Computer Science, University of Houston, 2009-2013