aperture

Mike McCormick

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Senior Analyst / Technician – Accident Reconstruction, Graphics & Animation

EDUCATION

Austin College: Sherman, Texas (1 year)

Richland College: Dallas, Texas (1 year)

Curriculum in intermediate computer aided design systems

Collin County College: McKinney, Texas (1-1/2 years)

Curriculum in advanced computer aided design systems

Northwestern University Certification in Crash Investigation 1 and 2

Private training with Autodesk in the use and applications of 3D Studio

Private training with FARO Technologies in the use and operation of the FARO Arm Digitizer and CD laser scanners

Apprenticeship training with a variety of CD land surveying instruments and total stations

Leica-Geosystems High Definition Scanner Training, October 2009

SOFTWARE EXPERTISE

AutoCAD – 34 years

Maptech, Topcon, and Leica land surveying software – 34 years

Quicksurface – 21 years

Rhino 3D – 16 years

PhotoModeler – 21 years

3D Studio – 25 years

Adobe Premiere – 16 years

Adobe Photoshop – 16 years

HVE 3D simulations – 19 years

Generalized 3D modeling and design – 28 years

Vast experience with all Microsoft operating systems published since 1984

HARDWARE EXPERTISE

2D digitizing systems – 31 years

3D digitizing and scanning systems – 23 years

Building and maintenance of workstation and server class computer systems – 32 years

Network infrastructure and storage systems installation and maintenance – 26 years

NOT FOR EXPERT DESIGNATION

WORK EXPERIENCE

Aperture Companies, LLC (formerly Scientific Analysis, Inc.) / Dallas, Texas 1990 to present

Accident investigation and forensic reconstruction company. Analysis for passenger and commercial vehicles through employment of engineering and scientific disciplines. Consultation regarding construction and configuration of roadways and their characteristics including signing, width, condition, curvature, grade, etc. and analysis of their impact on vehicular and industrial accidents. Production of trial and testimony aids such as accident site diagrams, maps, charts, crime scenes, and exhibits.

Senior CAD technician, responsible for the investigating and collecting of three-dimensional scene and vehicle data, diagramming, mapping, and technical illustration of accident and crime scene evidence found in the field. Precision, three-dimensional modeling of scene and vehicle data exploring the spatial relationships between items of interest. Production of exhibits and computer animations used in litigation and educational presentation. Quality control supervisor for the CAD and technical graphics department..

Ringley Surveying and Mapping / McKinney, Texas 1986 to 1990

Registered professional land surveying company and exclusive contractor for Texas Instruments. Project leader in the conversion and mapping of all Texas Instruments blueprints and site maps into digital, computer aided design format for sites and plants across Texas and Mexico. Assisted in the acquisition of three dimensional field data providing quality control, as well as adding previously unmapped details to the digital site maps. Created the “Site Masters” program that runs interactively within AutoCAD allowing site engineers at TI to easily sift through huge amounts of digital mapping data.

January Consulting / McKinney, Texas 1985 to 1986

Civil engineering company specializing in the restoration and beautification of the historic downtown areas of small towns in Texas. Processed and drafted data acquired by the survey crews and drafted “as-built” diagrams for historical reconstruction and design implementation. Assisted engineers in transposing traditional blueprints to digital CAD formats via large format digitizers

NOT FOR EXPERT DESIGNATION