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## **QUALIFICATIONS SUMMARY**

* BIM Implementation and BIM training
* Talented and expert Revit and AutoCAD Designer and Programmer
* Skilled in all aspects of design and project management
* Implemented programs that save design-time and increase productivity
* Proven track record in upholding company standards of design
* Places a high emphasis on quality and production and would work to sustain the company standards
* Recognized by peers as an expert in the following software:
	+ Autodesk Revit 8.0 through 2013
	+ AutoCAD versions 10-2013
	+ Autodesk Ecotech
	+ Autodesk Navisworks

# **CURRENT PROFESSIONAL EXPERIENCE SUMMARY**

### BIM Manager

#### **CF Jordan Construction**

August 2010 – Present (1 year 7 months)

I was brought to CF Jordan Construction to implement a new BIM program. Since that time, CF Jordan has implemented BIM technology on 5 projects (The Lumen Hotel, Traxxas Corporate Headquarters, Orthopedic Associates, Rosewood Manor Memory Care, and the Dallas Children’s Advocacy Center). Today I am leading a statewide BIM program for CF Jordan. In addition to this every project that is bid is based on a BIM model.

I have implemented BIM on several projects such as the Traxxas Corporate headquarters currently under construction in McKinney, Texas. I have created a BIM model produced from the architect's 2D bid plan set. With the BIM model produced by CF Jordan we have been able to estimate the needs of the project and help the subcontractors build estimating models. One way we have used the model is to determine the amount of glass in this project. The entire Traxxas building complex is based on a radial curve. The CF Jordan BIM team built the model using the bid plans. To confirm accuracy of the glazing quantities we conducted three takeoffs. Our preconstruction department conducted the takeoff using On-Screen takeoff. The glazing consultant used a method of takeoff which they were accustomed. The BIM department used the Revit model. Between the three estimates there was a fifty square foot difference on a 40,000 square foot glazing package. This glazing consultant is now modeling everything in BIM.

CF Jordan uses the analysis tools available from Autodesk to help us determine sustainability, wind, and energy analysis. On the Traxxas complex we were able to determine solar requirements and were able to produce alternates by suggesting a slight rotation in the complex to deflect the direct sunlight. According to the analysis a slight rotation will save the owner over 65,000 dollars over the life (30 years) of the building.

# **PROFESSIONAL EXPERIENCE**

4/07 – 06/10                                                                                     HKS Architects - Dallas, TX

**CAD/BIM Training and Implementation**

* The CAD/BIM training manager has the responsibility to create training programs that coincide with the core beliefs and practices of HKS.
* Uses Autodesk based software for designing and building specific courses based on a teams need - example, the design team needed a course geared specifically for using a single tool of the program.
* Develop ways to combine software to make design process smoother.
* Work with vendors such as Avatech in streamlining the training and implementation process.
* Work with groups to help coordinate models between HKS and our consultants.
* After associate architects have had basic Revit training from an outside source, train them in the use of HKS tools and standards.
* Create tools to help support teams.
* Trouble-shoot projects and help solve flaws.
* Family development is another part of the process.
* Support individuals needing some instruction on a specific aspect of the software.
* Document training and present to Revit committee.
* Improve existing training programs.
* Review and update programs based on new software.
* Review software for viability in the HKS environment.
* Present different options on improving current processes.
* Support customer technical issues.
* Train clients on implemented process.

10/06 – 4/07                                                                  Construction Industry Solutions – Irving, TX

***Autodesk Applications Engineer***

* Manage implementation of Autodesk Revit software and Autodesk Architectural for new clients.
* Support customer technical issues.
* Train clients on implemented process.

04/05 – 10/06                                                                                     RTKL Architects - Dallas, TX

***AutoCAD/BIM Manager / AutoCAD/BIM Developer***

* Instructed a team of architects and Revit users in design and equipment location for major hospital applications.
* Create processes for Revit/BIM department.
* Served as job captain; responsible for complete and correct job packages
* Produce standard processes for companywide CAD users.
* Develop Visual Basic programs to ease production issues.
* Train the CAD staff on AutoCAD 2006 and Revit 8 and 8.1.
* Create Revit families for hospital equipment.
* Create Revit families for hospitals, health spas and other retail environments. Produce projects in Revit for marketing and architectural groups.

12/04 - 04/05 (Contract)                                            Superior Technical Resources - Arlington, TX

### ***Senior AutoCAD Designer***

* Created electrical diagrams on various aircraft simulator designs. Using AutoCAD 2004 and Solid Works,
* Mapped out conduit for simulator enclosures.

10/04 - 07/05 (Part time)                                                 Westwood Technical College - Euless, TX

### ***AutoCAD Instructor***

* Instructed students to receive Associates degree in AutoCAD Architectural Drafting.
* Courses: Commercial Building Design; Commercial Building Documentation; Basic AutoCAD.
* Software courses taught: AutoCAD 2005, Autodesk Architectural Desktop 2005, Revit 8.0.

7/02 - 12/04                                                                                     Blockbuster Inc, Dallas, TX

#### ***Store Planner***

* Produced architectural design plans, fixture plans, reflective ceiling plans and elevations for construction.
* Created new shell documents for thirty-five Movie Trading Company stores and produced complete construction documentation for the new store sites.
* Created development projects and construction documents within a designated territory.
* Directed store planners on updates and productivity. Assist with the Merchandising department special projects and incorporate good merchandising techniques into all plans.
* Programmed a Visual Basic Application that saved Planning department $150,000 and programmed a Visual Basic Application to input a new concept area into store plans.

1/01 - 6/02                                                                                     CompUSA Corp - Addison, TX

#### ***Store Planner***

* Used Architectural Desktop version 3.3 to produce architectural design plans, fixture plans, reflective ceiling plans and elevations for construction.
* Created AutoCAD shortcuts to ease in production.
* Performed project management functions for fixture and merchandise drawings for New Store, Relocation, Expansion, and Remodels.
* Maintained existing store drawings and database information pertaining to fixture inventories and configurations.
* Published fixture and merchandise drawings to designated captains.
* Supported field personnel with issues pertaining to fixtures/merchandise layout problems.

10/00 - 1/01                                                                                     CCI Training, Inc. - Arlington, TX

AutoCAD Instructor (Part time)

06/00 - 10/00                                                                              Rockwell-Collins - Richardson, TX

#### ***Senior AutoCAD Designer***

* Designed and laid out radio towers and substations using AutoCAD Mechanical Desktop 2000 and Microsoft NT.
* Created building shell for the location of equipment for VLF radio site.
* Designed surround sound systems for 747 aircraft.
* Managed contract designers until project was completed.

06/99 - 06/00 Playnetwork - Redmond, WA

#### ***Senior Audio Systems Designer***

* Managed entire contract team.
* Worked with design team to layout quality audio/video systems for high profile national retail and hospitality accounts. Position required very strong AutoCAD, organizational and documentation skills and Microsoft NT.

01/99 - 06/99                                                                       Novatech Engineering - Edmonds, WA.

***Lead Aircraft Tooling Designer (Contract)***

* Routed wiring for Allen-Bradley systems. Managed and directed the contract Cad Designers.

01/99 - 06/99                                                                           ITT Technical Institute - Bothell, WA.

***AutoCAD Instructor (Part time)***

* Taught AutoCAD 2000 & R-14 on a college level.

10/97 - 01/99                                                                    Boeing Commercial Group, Everett, WA.

#### ***Wire Harness Designer***

* Assigned to various airplanes including the 767-power distribution and the 747 upper deck video systems. Designed and installed wiring harness systems.
* Applications used: Catia and Windows

2/97 to 10/97                                                            Process Systems Incorporated - Memphis, TN

#### ***Senior AutoCAD Designer – Contract***

* Assisted in the initial design of a sugar plant as well as planning a new Federal Express airline terminal. Primary responsibility:
* Coordinated and scheduled contract Cad drafters.
* Design power distribution and grounding systems.
* Excel and Access were used to create databases for electrical one-line schematics.

5/95 to 1/97                                                                           SKANSKA E & C - Carmel, IN

#### ***AutoCAD Designer***

* Worked with design team to build a Bayer aspirin plant located in Ohio.
* Worked in the design team for an alcohol processing plant. The team created structural plans as well as instrumentation plans.
* Assigned the controller I/O count by number of instruments used.
* Determined the design of the control panels, marshaling panels and junction boxes.

6/89 to 5/95                                                                           AUSTIN Industries–Houston, Tx

#### ***AutoCAD Designer***

* Worked with design team to build a polypropelene processing unit at the Fina Petrochemical plant in LaPorte Tx.
* Designed railroad spur for incoming raw materials at Fina Petrochemical in LaPorte, Tx.
* Created AutoCAD plans for existing instrumentation and plant piping.
* Worked in the design team for an phosgene vent reactors at PPG Petrochemical plant in LaPorte, Tx.
* Assigned the controller I/O count by number of instruments used.
* Determined the design of the control panels, marshaling panels and junction boxes.

# **EDUCATION**

* 1985 – 1987 - Texas State Technical College Waco, Texas A.A.S. Audio Visual Production
* 2002-2003 - North Lake College Irving, Texas
* 2005 Completed Autodesk University

**MEMBERSHIPS AND COMMITTEES**

* 2007-2012 - North Texas AIA member.
* 2009-2012 - North Texas AIA Committee Chair – Integrated Practice Development
* 2011-2012 – Construction Specifications Institute

# **PROFESSIONAL INSTRUCTOR CERTIFICATIONS**

* Autodesk
* Construction Specifications Institute
* Associated General Contractors
* America Institute of Architects