

Robert Gittens

OBJECTIVE

Professional experience and educational background.



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WEBSITE

www.bimsyncd.com

KEY EXPERIENCE

Jan. 2021– Current

President • BIMSyc'd, LLC • Cartersville, Ga.

Jan. 2008– Jan. 2021

Training Coordinator • Trimble, Inc. • Kennesaw, Ga.

Jun. 2005– Jan. 2008

Lead Detailer • Porter Steel • Lilburn, Ga.

As president of BIMSyc'd and training coordinator at Trimble I worked as a BIM consultant, technical support specialist, trainer, and development team.

At Porter Steel I was a lead steel detailer structural and miscellaneous steel buildings. This was also the case at Fab Tech Industries.

KEY EDUCATION

North Georgia Technical College, Clarkesville, Ga.

Education in drafting and design which included learning to interpret and draw blueprints for structures.

Also included instruction in the use of AutoCAD.

EMPLOYMENT

Over 25 years of experience in the building and construction industry. (15 of those providing advising, training, technical support, and technical sales.)

Consulting and planning advice for adopting BIM. Strategic planning for phased implementation of BIM. Advice on current workflow with suggested revisions. Specialized training on Tekla Structures in steel, concrete, rebar, miscellaneous, and BIM interoperability techniques. Also, software adoption and document creation.

LEADERSHIP

Board Chair for the Building Information Modeling Management Advisory Board. I brought the degree to the college and explained the concept of BIM and why it is a critical discipline for today's construction industry.

WORK EXPERIENCE:

Technical Drafting, Detailing, and BIM:

January 2021 to present – BIMSync'd, LLC. www.bimsyncd.com

Owner. BIMSync'd is a service provider which collaborates with companies to learn a better way to use BIM and its techniques. Consulting services include workflow planning, standards creation, product recommendations, targeted training in software and procedures, and other custom BIM operations.

Using in practice and/or consulting on the usage of **Tekla Structures, Trimble Connect, Tekla PowerFab, Strumis, SDS2, AutoCAD, Revit, SketchUp, BIMPlus, BIM Review** and others.

January 2008 to January 2021 – Trimble Solutions, Inc. www.trimble.com

Technical consultant/expert/trainer for Tekla Structures (BIM). www.tekla.com

Responsible for help desk, pre-sales demonstrations, overseeing evaluations and implementations of software, conducting in-class Tekla Structures training for engineering and concrete, conducting customized onsite training classes per customer requirements, testing and development of various tools to enhance Tekla Structures, and creating documentation for training, help files, and explanation of complex processes using the product. Using **Tekla Structures, Trimble Connect, Tekla PowerFAB, SketchUp, AutoCAD, Revit Structural, Bluebeam**, and various **Microsoft Office** products.

Trimble is a leader in BIM and BIM technologies.

October 2005 to January 2008 – Porter Steel, Inc.

Lead structural/miscellaneous detailer. Used architectural and engineering drawings to create 3D models, and construction and manufacturing drawings on **Tekla Structures** and **AutoCAD**. Worked directly with the fabrication shop and the field personnel to complete construction documents and data. Compiled detailing standards manual for production.

July 2000 to July 2002 – FabTech Industries, Presco Steel

Lead detailer for a large steel company. Used architectural and engineering drawings to create 3D models, and construction and manufacturing drawings on **SDS2** and **AutoCAD R14** and **AutoCAD LT 2000**. Responsible for training fellow employees on the use of AutoCAD.

September 1997 to February 1998 – Reliance Electric

Transferred hand and microfilm drawings to **AutoCAD R13**. Temporary position through staffing company.

June 1997 to August 1997 – Kubota Manufacturing

Quality control and inspection department. Inspected incoming vendor parts before they are sent to the production line. Occasional in-line inspections.

June 1995 to June 1997 – FRC Environmental

Engineering drafting and design of wastewater treatment systems used in food processing plants. Collaborated with engineer to create production drawings. Worked on **AutoCAD R12** and **R13**. Generated bills of materials, etc.

June 1992 to June 1995 – Ross Controls

Drafter to engineering department, several types of **Intergraph/MicroStation** design software and **AutoCAD**. Created all drawings for my division of department. Assisted quality control in verifying accuracy of parts. Worked with inventory system and part number assignments.

Writing Experience:

August 2002 to August 2004 – Lanier Life, The Times (Gainesville, Ga.)

Part-time reporter. Lanier Life was a weekly paper for South Hall County and covered local events like city council, neighborhood events, and other local items.

Nov. 1999 to July 2000 – White County News-Telegraph, CNI

Full-time sports reporter/editor and cops beat reporter. Interviewed and covered sports related stories for White County High School, and the local parks department. Also covered any police and emergency related events like arrests, elections, and other government issues. Responsible for layout of sports pages using **PageMaker**.

June 1998 to Nov. 1999 – The Times, Gannett News Service, Gainesville

News clerk and staff reporter. Assigned various stories and writing tasks as well as updated the weather page and inputting other legal announcements. When working on the layout of the weather section I used **Quark**.

Other Experience:

February 2005 to October 2005 – St. Ives Coffee House, Gainesville

Barista and server in the restaurant. Part-time.

December 2004 to February 2005 – Lowe’s, Gainesville

Part-time electrical sales associate.

August 2002 to February 2005 – Family Life Center, First Baptist Church, Gainesville Part-time fill in position. Staff the front desk.

March 2003 to October 2003 – Lowe’s, Gainesville

Plumbing sales specialist.

February 1998 to Nov. 1999 – United States Tobacco Company.

Part-time sales trainee responsible for public relations at special events.

August 1991 to June 1992 – Lowe’s Building Supply, Gainesville

EDUCATION:

Fall 2016 – Academy of Art University, San Francisco

Pursuit of architectural degree.

Fall 2000 to Summer 2005 – North Georgia College and State University (University of North Georgia), Dahlonega

Pursuit of English degree.

Fall 2001 – SDS Headquarters, Lincoln, Nebraska

SDS2 certification in structural design software.

1997 to 1999 – Gainesville College (University of North Georgia), Oakwood

Pursuit of English degree. Courses included a class in mapping and geographical information systems.

1990 to 1992- North Georgia Technical Institute, Clarkesville

Graduated in manual and computer-aided design (**AutoCAD**). Courses included assignments in architectural and mechanical drafting. In addition, classes covering different types of work-related software. Including programs designed to create presentations. Algebra, geometry, and trigonometry emphasized.

1990 – Gwinnett Technical Institute, Lawrenceville

AutoCAD training and certification.

1989 – East Hall High School, Gainesville

Graduated. One year of drafting.

ACHIEVEMENTS:

Chairperson of the BIMM Advisory Board at Georgia Highlands College – Rome, Georgia

Instructor for nine training classes on **Tekla Structures** – Trimble, Kennesaw, Georgia

Certified instructor for **Tekla Structures** – Trimble, Kennesaw, Georgia

SDS2 certification – SDS Headquarters, Lincoln, Nebraska

AutoCAD certification – Gwinnett Technical School

Member of the Student Government Association, Gainesville College

SUMMARY

Snapshot of my experience.

- Graduated in drafting from North Georgia Technical College.
 - Learned to read and create fabrication and construction documents.
 - Learned to use AutoCAD.
- Twenty-six years of drafting, BIM detailing, BIM software training, and BIM consulting.
 - President of BIMSinc'd – BIM consulting firm.
 - Training coordinator for Tekla Structures – For the North American market.
 - Created, taught, and/or maintained nine different classes on using Tekla Structures.
 - Created and delivered a trainer certification program.
 - Presented at multiple conferences and at a few schools on BIM.
 - Brought the idea and helped develop a BIM Management degree to Georgia Highlands College.
 - Lead detailer at two firms – Lead detailer instructs new detailers on the process of detailing.
 - Created fabrication, construction, and part/assembly documents.
 - BIM software: **Tekla Structures, Tekla Structural Designer, Tekla PowerFab, Trimble Connect, SketchUp, SDS2, BIMPlus, Revit, AutoCAD, Strumis, and MicroStation.**
- Four years of newspaper reporting.
 - Interviewing and reporting on a variety of topics – Communication skills are critical.
 - Sports beat, cops beat, lifestyles, general, etc.

Some of the terms used in this portfolio.

- **Detailing** – This is the practice of creating data and documentation of a structure for construction.
- **BIM** – Building Information Modeling
- **Fabrication documents** – Typically 3D models, 2D drawings, CNC, and reports to be used to create the parts and assemblies for construction.
- **Construction documents** – Typically 3D models, 2D drawings, and other documents used to create the fabrication documents.
- **Part and assembly drawings** – This is the data and drawings used to fabricate the structure. This includes 3D models, 2D drawings, reports, and CNC. Essentially, the same as fabrication documents.
- **CNC** – Computerized Numerical Control. The x, y, and z locations of holes, cuts, and subordinate parts that is sent to a machine during the fabrication process.
- **Model** – Digital 3D representation of the structure to be constructed.

Timeline:

- 1) Graduated in drafting from North Georgia Technical College (Institute).
- 2) Worked at several businesses as a drafter.
- 3) Worked at three different newspapers for a few years.
- 4) Became a steel detailer and then was laid off.
- 5) Attended school pursuing an English degree. Not a good fit.
- 6) Worked several jobs including church, newspaper, sales at Lowe's, and as a barista at a local coffee shop.
- 7) Found another steel detailing job. Became a lead detailer.
- 8) Began working for Tekla which was eventually purchased by Trimble. Worked here for 13 years.
- 9) Published a novella. *Two Months from Home* <https://a.co/d/gRnlhHf> Not a best seller, but there it is.
- 10) Helped Georgia Highlands College build a BS BIM Management degree. The only degree of its kind in the country. Currently the advisory board chair.
- 11) Created BIMSinc'd and began work as a BIM consultant.
- 12) Currently working on a BIM book. Non-fiction. No publishing date.
- 13) Enrolled in the BIM Management degree as of Fall 2023.