

Robert J Gittens, Jr

OBJECTIVE

To show a snapshot of my education and work experience. My credentials and resume should accomplish this goal.



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KEY EXPERIENCE

Jan. 2021– Current

President • BIMSinc'd • Cartersville, Ga.

Jan. 2008– Jan. 2021

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

Jun. 2005– Jan. 2008

Lead Detailer • Porter Steel • Lilburn, Ga.

As president of BIMSinc'd and training coordinator at Trimble I worked as a BIM consultant, technical support specialist, trainer, and development team. (See **Page 6** for description of BIM.)

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

Georgia Highlands College, Rome, Ga.

BS in BIM Management

North Georgia Technical College, Clarkesville, Ga.

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

EMPLOYMENT

27 years of experience in the building and construction industry. (17 of those providing advising, training, technical support, and technical sales.) Sales, consulting, and planning advice for adopting BIM. Strategic planning for phased implementation of BIM. Advice on current workflow with suggested revisions. Specialized training in Tekla Structures and BIM interoperability techniques. Also, software adoption and document creation.

LEADERSHIP

Past 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.

BIO

Robert J. Gittens Jr. is a seasoned professional in Building Information Modeling (BIM), drafting, and construction technology, with over three decades of experience spanning sales, technical consulting, business ownership, and education advocacy. His career reflects a deep commitment to bridging the gap between industry needs and educational offerings, culminating in his instrumental role in developing a Bachelor of Science in BIM Management at Georgia Highlands College, of which he is a graduate.

Since January 2021, Robert has owned BIMSync'd (www.bimsyncd.com), a consultancy that collaborates with companies to optimize BIM workflows. His services include standards creation, software training, and product recommendations, leveraging tools like Tekla Structures, Revit, AutoCAD, and Trimble Connect. Prior to this, from 2008 to 2021, he served as a technical consultant, expert, and trainer at Trimble Solutions, Inc. (www.trimble.com), a BIM technology leader. There, he supported clients with Tekla Structures implementations, conducted training, and developed tools to enhance software functionality, blending technical expertise with sales acumen through pre-sales demonstrations.

Robert's earlier career laid a strong foundation in drafting and detailing. From 2005 to 2008, he was Lead Structural/Miscellaneous Detailer at Porter Steel, Inc., creating 3D models and construction drawings using Tekla Structures and AutoCAD. Between 2000 and 2002, he led detailing efforts at FabTech Industries, training colleagues on AutoCAD. His initial roles included drafting wastewater treatment systems at FRC Environmental (1995–1997) and engineering drawings at Ross Controls (1992–1995), where he learned MicroStation and AutoCAD. Temporary stints at Reliance Electric and Kubota Manufacturing further honed his technical skills.

Beyond technical work, Robert has diverse experience in sales and writing. At Trimble, he doubled as a technical sales consultant and training coordinator, while earlier retail roles at Lowe's Home Improvement sharpened his customer-facing skills in plumbing and electrical sales. As a writer, he reported for *Lanier Life* (2002–2004), served as a sports editor and cops beat reporter at *White County News-Telegraph* (1999–2000), and worked as a news clerk at *The Times* (1998–1999), showcasing his versatility.

Educationally, Robert pursued multiple paths, including English studies at University of North Georgia and architectural coursework at the Academy of Art University, before focusing on the BS in BIM Management. His technical training began with a 1992 diploma in manual and computer-aided design from North Georgia Technical College, complemented by AutoCAD certification from Gwinnett Technical College in 1990.

Robert's influence extends to leadership roles, including past Board Chair for the BIM Management degree program at Georgia Highlands College, where he championed BIM's critical role in modern construction. He also served on the Treasury Group and Leadership Council of the BIM Coordinators Summit DAO Community. With a career marked by innovation, collaboration, and a passion for aligning education with industry demands, Robert J. Gittens Jr. continues to shape the future of BIM and construction technology.

SUMMARY

Snapshot of my experience.

(Year totals are only for the bullet point on which they are stated and not a sum total of job experience.)

- Graduated from Georgia Highlands College with a Bachelor of Science degree in Building Information Modeling Management.
 - The Bachelor of Science in Building Information Modeling (BIMM) provides students with the skills needed for employment in the construction industry. BIMM is the technology-driven process for estimating, creating, and managing information and visuals on a construction project. A building information model represents a 3-D version of every aspect of the project.
- Graduated in drafting from North Georgia Technical College.
 - Drafting techniques in both mechanical and architectural drawings.
 - Learned to read and create documents.
 - Learned to draft by hand before moving to computer.
 - Learned to use AutoCAD.
- Twenty-seven years of drafting, BIM detailing, BIM software training, and BIM consulting.
 - President of BIMSyc'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.
 - Lead detailer at two firms – Lead detailer instructs new detailers on the process of detailing.
 - Software: **Tekla Structures, Tekla Structural Designer, Tekla PowerFab, Trimble Connect, SketchUp, SDS2, BIMPlus, Revit, AutoCAD, Strumis**, and various **MicroStation** products.
- Twenty-one years of sales
 - Sales and customer support at BIMSyc'd.
 - Sales and customer support at Trimble, Inc.
 - Sales and customer support at Lowe's.
- Five years of newspaper reporting.
 - Interviewing and reporting on a variety of topics – Communication skills are critical.
 - Sports beat, cops beat, lifestyles, general, etc.
- Over 15 years of individual blogging and freelance journalism.

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WORK EXPERIENCE:

Drafting, Detailing, and BIM:

2021 to present – BIMSinc'd. www.bimsyncd.com

Owner. BIMSinc'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.

2008 to 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.

2005 to 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.

2000 to 2002 – FabTech Industries, Presco Steel, Gainesville

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.

1997 to 1998 – Reliance Electric, Flowery Branch

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

1997 to 1997 – Kubota Manufacturing, Gainesville

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

1995 to 1997 – FRC Environmental, Gainesville

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

1992 to 1995 – Ross Controls; Lavonia

Drafter to the 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.

Sales

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

Technical sales consultant for Tekla Structures (BIM). www.tekla.com

Responsible for pre-sales demonstrations, overseeing evaluations and implementations of software and creating documentation for training, help files, and explanation of complex processes using the product.

Four years cumulative - Lowe's Home Improvement

Rough and fashion plumbing sales associate. Salaried and commissioned position selling general plumbing and bathroom products to individual customers and contractors.

Rough and fashion electrical sales associate. Salaried and commissioned position selling general electrical products to individual customers and contractors.

Writing Experience:

2002 to 2004 – Lanier Life, The Times, Gainesville

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.

1999 to 2000 – White County News-Telegraph, CNI, Cleveland

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**.

1998 to 1999 – The Times, Gannett News Service, Gainesville

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**.

EDUCATION:

May 2025 – Georgia Highlands College, Rome

Bachelor of Science degree in BIM Management.

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 several 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 AND BOARDS:

- Treasury Group member for the **BIM Coordinators Summit DAO Community**
- Leadership Council member for the **BIM Coordinators Summit DAO Community**
- Past Advisory Board Chair for the Bachelor of Science in Building Information Modeling Management at **Georgia Highlands College**, Rome, Georgia. Brought the BS BIMM degree to the college and explained the concept of BIM and why it is a critical discipline for today's construction industry.

WHAT IS BIM?

Building Information Modeling (BIM) is a collaborative process that leverages intelligent, data-rich 3D models to design, construct, and manage buildings and infrastructure. Originating in the 1970s with early computer-aided design (CAD) advancements, BIM transitioned from static 2D drawings to a dynamic, multidimensional approach by the early 2000s, spurred by the architecture, engineering, and construction (AEC) industry's demand for improved coordination and efficiency. Unlike traditional methods, BIM integrates geometry, spatial relationships, and comprehensive data—such as materials, costs, and schedules—into a digital twin, a virtual replica that reflects a project's entire lifecycle.

Initially embraced for complex commercial projects like office towers and airports, BIM's reach now spans residential, commercial, and industrial applications. In residential settings, it enhances home design and retrofits, refining material estimates and energy efficiency. For commercial projects, such as retail spaces or hospitals, BIM enables clash detection and stakeholder alignment, minimizing errors. In industrial contexts, like factories or power plants, it supports intricate system integration and long-term maintenance through digital twins.

A key feature of BIM is the transfer of the model to the building owner upon project completion, empowering site management into the future. This handover provides a detailed digital twin encompassing not just structural elements but also fixtures—like lighting, plumbing, and HVAC systems—and other non-structural components, such as furniture or equipment layouts. This comprehensive model serves as a living resource for facility management, enabling owners to monitor performance, plan maintenance, and adapt spaces efficiently. Today, BIM's role in the AEC industry extends beyond construction into operations, offering predictive analytics and sustainability insights, making it vital across all project types and scales, with the owner's post-construction use marking a transformative shift in asset management.