

# Jakub Blair

## Senior Structural Engineering Designer

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### SUMMARY

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Structural Engineer with over three years of experience in designing and drafting structural engineering projects, particularly within commercial sectors. Committed to producing detailed construction documents while respecting client specifications and regulatory standards. Proven record in conducting thorough site feasibility studies and assessments, effectively communicating insights to enhance decision-making. Eager to integrate multi-disciplinary collaboration into innovative solutions that uphold structural integrity using materials like steel and timber. Proficient in Revit and AutoCAD, driving project success by optimizing workflows and maintaining budgetary constraints across diverse projects.

### EXPERIENCE

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#### Structural Engineering Designer

Engineering Solutions Inc. 📅 June 2023 - Present 📍 Atlanta, GA

Role focuses on drafting and designing structural engineering documents for various commercial projects, ensuring rigorous adherence to both client and code requirements. Engaged in a collaborative environment working closely with architects and civil engineers to formulate fluid designs and resolve issues during execution.

- Produced detailed structural design documents, meeting all necessary compliance and quality standards.
- Effectively liaised with architects and civil engineers, troubleshooting site matters to streamline the design process.
- Conducted comprehensive site feasibility studies, providing clear reports that guide stakeholder decisions and project planning.
- Maintained project budget through diligent tracking of labor and material expenditures.
- Facilitated communication regarding addendums and change orders among the design team and client representatives.
- Prepared accurate documentation and engaging presentations to assist senior management in obtaining project approvals.

#### Junior Structural Engineer

BuildTech Group 📅 March 2021 - May 2023 📍 Savannah, GA

Contributed to the development and implementation of structural designs focused on safety and adherence to regulations predominantly in retail and commercial properties.

- Assisted in crafting structural design plans, emphasizing compliance with industry standards and safety protocols.
- Participated in rigorous site evaluations, documenting findings and proposing enhancements to existing structures.
- Collaborated with a cross-functional team to ensure effective execution aligned with established deadlines.
- Generated comprehensive engineering reports to outline progress for stakeholders.
- Utilized Revit and AutoCAD extensively, improving the clarity and efficacy of design drafts.
- Actively pursued professional growth opportunities, attending workshops to stay ahead in emerging structural engineering trends.

#### Engineering Intern

TechBuild Co. 📅 June 2020 - February 2021 📍 Macon, GA

Supported senior engineers with hands-on drafting experience while assisting in various structural engineering projects to solidify foundational skills.

- Provided essential assistance in drafting structural plans, learning core methodologies under experienced mentors.
- Conducted research encompassing materials and construction methods which informed project decisions.
- Helped compile project documentation and compliance reports, contributing to overall project organization.
- Gained practical exposure through on-site construction observations related to maintaining structural integrity.
- Engaged in collaborative discussions during team meetings, sharing insights about project challenges and potential solutions.

### LEADERSHIP & AWARDS

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- EIT (Engineer in Training), 2021
- Completed Structural Engineering Design Course, 2022

### EDUCATION

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#### Bachelor's Degree in Structural Engineering

Georgia Institute of Technology 🎓 GPA: 3.7 📅 2020 📍 Atlanta, GA

*Coursework: Design Principles, Structural Analysis, Mechanics of Materials, Building Codes*

### CERTIFICATIONS

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- Engineer in Training (EIT) 📅 2021

- LEED Green Associate 📅 2022

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## TECHNICAL SKILLS

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- **Design Software:** Revit, AutoCAD, SketchUp
- **Project Management Tools:** MS Project, Trello, Asana
- **Analysis Techniques:** Finite Element Analysis, Load Calculation, Risk Assessment
- **Standards & Codes:** IBC, AISC, ASCE 7
- **Compliance Frameworks:** LEED, AIA Guidelines, OSHA Standards
- **Documentation Tools:** MS Office, Adobe Acrobat, Bluebeam
- **Surveying Tools:** Total Station, Levels, Theodolite
- **Construction Methodologies:** Tilt-Up Concrete, Steel Framing, Precast Elements
- **Presentation Software:** PowerPoint, Keynote, Visio
- **Inspection Tools:** Moisture Meters, Slump Tests, Soil Testing Kits

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## SKILLS

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- Structural Design
- Project Coordination
- Revit
- AutoCAD
- Site Assessment
- Budget Management
- Team Collaboration
- Building Codes
- Feasibility Studies
- Drafting
- Construction Documents
- Safety Compliance
- Material Research
- Change Orders
- Regulatory Guidelines
- Communication

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## PROFESSIONAL AFFILIATIONS

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- American Society of Civil Engineers (ASCE)
- Georgia Engineering Society (GES)

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## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

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## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

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## REFERENCES

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AVAILABLE ON REQUEST