

**marshall tittlemore architects***Creating memorable places*

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**INTERN ARCHITECT - COMPUTATIONAL DESIGNER****SUMMARY**

This person is highly motivated, has a strong sense of design, and is a team player with strong communication and problem solving skills. This person will have minimum 2 years of experience working in an architectural office delivering projects from concept through design development and construction drawings. They will have graduated from a recognized University program and will be a Registered Intern with the AAA or other provincial association.

In addition to being an Intern Architect, the Computational Designer's responsibility is to advance the firm's capacities in the realm of computational design aspects by leading projects in; 3D modeling, advance digital visualization, computer animations, parametric design, digital architecture, digital fabrication, BIM modeling, and building performance analysis and simulation.

**POSITION RESPONSIBILITIES**

- Responsible to advance the firm's capacities in the realm of the computational design aspects by leading projects in; 3D modeling, advance digital visualization, computer animations, parametric design and digital architecture, digital fabrication, BIM modeling, and building performance analysis and simulation.
- Leading computational design education sessions internally, by preparing research and presentations for firm's staff and holding presentation/lecture sessions.
- Completing tasks assigned to them including, developing project schedule, producing design drawings, completing City of Calgary applications, meeting with clients and assisting with the completion of projects.
- Having general knowledge of architectural practice including report writing, site planning, master planning, development and feasibility study, pre design process, City of Calgary land use bylaw and other related documents, civil, structural, mechanical, electrical engineering and construction costs.
- Assist the Project Architect and design team throughout all phases of project development to produce a high quality product. Collaborate on concept and schematic design and design development phases.
- Create presentation material including presentation boards, material boards, models, elevations, 3D renderings, digital animations and design diagrams.

**CHARACTERISTICS & SKILLS**

- Advance Computational skills such as; parametric design, digital architecture, digital fabrication, BIM modeling, and building performance analysis and simulation. Proficient with modeling and computational design software (Revit, 3Ds Max, Rhino, Grasshopper, Vasari, Ecotect, Simulation CFD)
- 3D modeling and visualization skills such as; 3D modeling, advance digital visualization, Digital rendering and computer animations. Proficient with 3d modeling/graphic software (3Ds Max, SketchUp, AutoCAD, Adobe Creative Suite)
- Graduated from a recognized University program with an M. Arch degree
- Minimum 2+ years of experience working in an architectural office delivering projects from concept through design development and construction drawings for a variety of building types.
- Registered Intern with the AAA or other provincial association. General knowledge of architectural practice including report writing, producing presentation materials, site planning, master planning, development and feasibility study, pre design process, City of Calgary land use bylaw and other related documents.
- Design aptitude and creativity Highly motivated, has a strong sense of design
- Team player with strong communication, organization, and problem solving skills.
- Assists in the coordination of consultants with architectural documents.