



JACKSON TURNER

Graduate Structural Engineer

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PROFESSIONAL SUMMARY

Graduate Structural Engineer with 2 plus years of structural design experience, primarily in structural steel. Concrete design for simple slab foundations, lanyards, and T-beam analysis for roof penetrations and additional loadings. Experience analyzing concrete T-beam roof systems in plant buildings for flange penetrations, and additional roof loadings from various equipment.

WORK EXPERIENCE

Graduate Structural Engineer

📅 Jun / 2022-Ongoing

Maple Leaf Consulting

📍 Toronto, ON

1. Structural analysis and design of steel supporting structures for parabolic trough collectors in the solar field.
2. Static and dynamic load calculation for solar collector structure using seismic analysis and wind tunnel test.
3. Review project and ensure all Federal and local government Codes, standards, and recommended practices are listed as part of the structural design basis.
4. Interfacing with technology providers, testing labs and third-party engineering sub-contractors.
5. Review, verification, and stamping of project specifications and bill of materials.
6. Review vendor prints for shop fabrication, ensure vendors provide stamping.
7. Coordination with Project Engineering Manager and other discipline engineers on safety in designs and overall construction of the project.
8. Participate to support project process safety review and risk analysis.

Structural Engineer

📅 Jun / 2020-Jun / 2022

Summit Peak Industries

📍 Denver, CO

1. Lead structural design engineer on new/existing heavy industrial and commercial building projects.
2. Produced calculation design packages as required for client/state reviews.
3. Was heavily involved in all project phases from pre-planning to shop drawing review.
4. Actively participated in site-visits/walk down with clients as required.
5. Lead structural steel connection design engineer for multiple new large pulp/paper projects.

EDUCATION

Bachelor of Science in Civil Engineering

📅 Jun / 2018-Jun / 2020

University of California, Berkeley

📍 Denver, CO

Focused on structural engineering principles, including analysis and design of various structures.

SKILLS

R.C.C. Structures



Steel Structures



FEA



STAAD



STAAD Pro



INTERESTS

🔧 Woodworking

🔭 Star Gazing

★ Theatre

🏗 Architecture

STRENGTHS

😊 Politeness

🚩 Determination

🚀 Ambition

✅ Dedication

LANGUAGES



English



Russian



Japanese

ACHIEVEMENTS

- ★ Completed structural design for a 200,000 sq. ft. commercial facility, ensuring compliance with all local building codes.
- ★ Achieved a 15% reduction in material costs through innovative design solutions during the redesign of a steel frame structure.
- ★ Successfully led a team in the analysis and design of a multi-story residential building, enhancing safety and structural integrity.