



EMMA JOHNSON

Staff Geotechnical Engineer

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PROFESSIONAL SUMMARY

Accomplished Staff Geotechnical Engineer with over 7 years of experience in foundation design, subsurface investigations, and geotechnical analysis. Proven ability to lead multidisciplinary teams in delivering innovative engineering solutions, ensuring safety and regulatory compliance. Passionate about optimizing project outcomes through effective collaboration and advanced technical expertise.

WORK EXPERIENCE

Staff Geotechnical Engineer 📅 Mar / 2021-Ongoing
Maple Leaf Consulting 📍 Toronto, ON

- 1. Conducted comprehensive subsurface investigations to evaluate soil conditions for various construction projects.
- 2. Designed and analyzed foundation systems, including drilled piers and retaining walls, ensuring structural integrity and compliance.
- 3. Prepared detailed geotechnical reports with recommendations for site development and construction.
- 4. Collaborated with project teams to develop cost-effective solutions for complex geotechnical challenges.
- 5. Performed field tests and site inspections to monitor construction compliance and safety.
- 6. Managed the hydraulic conductivity testing laboratory, ensuring accurate and timely results.
- 7. Provided technical expertise in geotechnical design during project planning and execution phases.

Staff Geotechnical Engineer 📅 Mar / 2018-Mar / 2021
Lakeside Apparel Co 📍 Chicago, IL

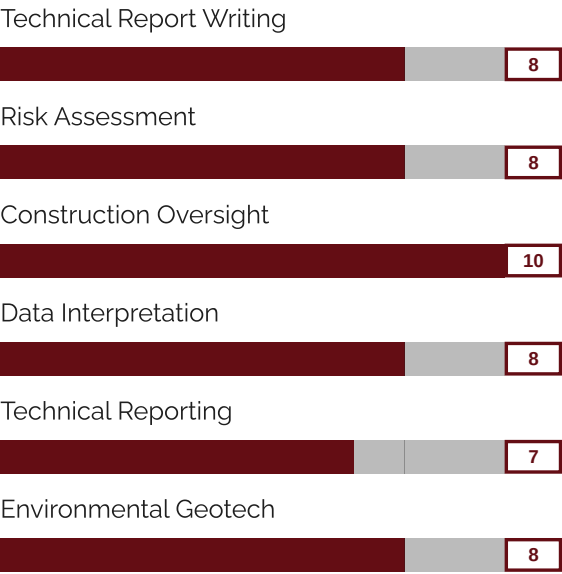
- 1. Interpreted subsurface conditions to inform design decisions and mitigate construction risks.
- 2. Assisted in the design of foundations and soil systems for various structures, enhancing performance and durability.
- 3. Led seismic refraction and rock quantification studies for infrastructure projects, ensuring compliance with engineering standards.
- 4. Developed technical proposals and accurate cost estimates for diverse geotechnical projects.
- 5. Engaged with clients and regulatory agencies to ensure project alignment with environmental and safety standards.
- 6. Provided recommendations for bridge foundation designs, including axial capacity calculations, to the Ohio Department of Transportation.

EDUCATION

Master of Science in Geotechnical Engineering 📅 Mar / 2015 - Mar / 2018
University of California, Berkeley 📍 Toronto, ON

Specialized in soil mechanics, foundation design, and geotechnical analysis.

SKILLS



INTERESTS

- 🎮 Gaming
- 👜 Fashion
- 🎬 Film
- 💻 Technology

STRENGTHS

- ⚖️ Fairness
- ↔️ Flexibility
- ➡️ Forward-thinking
- ❤️ Gratitude

LANGUAGES



ACHIEVEMENTS

- ★ Led a team that completed a complex foundation project 15% under budget, enhancing overall project efficiency.
- ★ Developed innovative geotechnical solutions that improved site safety and reduced environmental impact for multiple projects.