Abdallah Abu-Halimeh

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EDUCATION

Toronto Metropolitan University Toronto, ON
Bachelor of Engineering (B.Eng.), Civil Engineering *Sept. 2025 – Expected 2029*

EXPERIENCE

Construction Project Coordinator June 2025 – Sept. 2025
Total-Pave Inc. *Burlington, ON*

- Directed demolition and site clearance of existing playground infrastructure in accordance with municipal safety regulations.
- Oversaw soil grading and turf installation across 3,000+ sq. ft., supporting site rehabilitation.
- Supervised subsurface drainage installation, including trench excavation, pipe alignment and backfilling operations.
- Facilitated installation of asphalt walkways, parking infrastructure, concrete wall benches and steel fixtures.
- Managed landscape restoration, including soil preparation, vegetation installation and material placement.

Front Desk Logistics Lead May 2025 – Aug. 2025
Sid's Pond & Gardenscape Inc. *Mississauga, ON*

- Calculated material quantities and volume estimates for residential landscaping and hardscape projects.
- Advised clients on material selection and project requirements.
- Supported material handling, inventory organization and customer loading operations.

PROJECTS

Steel Truss Pedestrian Bridge Nov. 2026
Independent Conceptual Engineering Project

- Developed a conceptual steel truss pedestrian bridge for a crossing over water, integrating truss members, overhead bracing, deck, railings and support details in AutoCAD.
- Produced four 3D CAD views documenting the bridge geometry, structural arrangement and bearing/support details.
- Prepared an itemized Excel construction cost estimate covering steel fabrication, foundations, erection, site works, traffic control, utility relocation and in-water work.
- Incorporated contractor overhead, contingency, escalation, land acquisition and a 25-year maintenance allowance into preliminary project budgeting.

Active Self-Leveling Suspension System Nov. 2025 – Dec. 2025
TMU First-Year Design Competition – Lead Designer / Team Member

- Engineered an active self-leveling suspension mechanism using screw actuators to maintain stability across uneven terrain.
- Developed detailed AutoCAD schematics with consideration for mechanical integration and load distribution.
- Evaluated design feasibility, material costs and operational safety.
- Co-authored a technical engineering proposal documenting design specifications and project findings.

TECHNICAL SKILLS

CAD: AutoCAD (2+ years), 3D modelling, technical drafting

Engineering: Material quantity calculations, preliminary cost estimation, mechanical design, technical documentation

Software: Microsoft Excel, Word, PowerPoint