

Stephen David Greco

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Profile: Experienced Structural Designer/ Engineer in Training seeking full-time employment in the field of Structural Engineering.

- Registered as an Engineer-in-Training (E.I.T)
- P. Eng. eligible in April 2019
- Strong analytical, technical and communication skills
- Professional mindset and work ethic
- Strong attention to detail
- Highly organized and able to effectively multitask
- Strong leadership skills and qualities
- Committed and reliable team player

Education

Western University, London, ON

Master of Engineering (MEng), Structural Engineering

Sept 2015-Sept 2016

➤ Achieved an overall average of 86.5 (3.9 GPA)

➤ Areas of study included:

- Design of Lateral Load Structural Systems
- Building Sustainability
- Foundation Engineering
- Seismic Analysis and Design of Buildings
- Prestressed Concrete
- Durability, Monitoring and Rehabilitation of Concrete Structures
- Project Management
- Wind-Excited and Aeroelastic Response of Structures
- Building Information Modelling (BIM)
- Engineering Communication

Western University, London, ON

Bachelor of Engineering Science (BESc), Structural Engineering Option

2011-2015

➤ Granted first year entry scholarship

➤ Participant of the 2012 Western Engineering Competition (WEC)

➤ Dean's Honor List (2014)

St. Benedict's Catholic Secondary School, Sudbury, ON

Ontario Secondary School Diploma

2008-2011

➤ Ontario Scholar and "Bears Honor Roll Club" member for three consecutive years

➤ Volunteered as Mathematics, Physics and Chemistry tutor

➤ Member of the downhill ski team for three consecutive years

➤ Male skier of the year in 2009

Employment Experience

Structural Designer, AMG Metals Inc., Newmarket, ON.

Dec 2016-Present

- Recognized for being capable of completing design projects on schedule and for having the ability to prioritize and multitask effectively
- Responsible for the analysis and design of all structural projects, management of research and development projects, purchasing and sourcing material, and assisting in project and fabrication planning and scheduling
- Primarily involved in the structural design of roadway and railway structures, including railway signal structures, overhead sign structures, highway and pedestrian bridges, traffic and high mast poles, and other various highway accessory structures
- Regularly optimizing designs by fine-tuning members and connections in order to minimize material and fabrication costs

- Continuously enhancing steel and aluminum design skills, including greatly improving upon fatigue design relating to structural members and connections
- Developed the ability to efficiently write detailed calculation reports
- Frequently involved in coordinating project efforts with other disciplines
- Became knowledgeable in both the Canadian Highway Bridge Design Code and AASHTO LRFD Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals

Structural Engineer in Training, AECOM, London, ON.

May-Aug 2015

- Recognized for having an excellent attitude and for accepting all work assignments
- Gained experience working on and inspecting a wide variety of structural projects, including bridges, concrete culverts, pedestrian tunnels, noise walls, reservoirs, dams, and marinas
- Monitored and inspected construction operations, including concrete removals and pours, steel sandblasting, waterproofing and paving
- Gained valuable practical experience as lead inspector of a bridge rehabilitation project. Responsibilities included daily site visits, inspections, and various contract administrative roles
- Assisted in inspecting bridges, retaining walls, and culverts owned by the City of London during the bi-annual city-wide inspections
- Frequently inspected steel rebar and formwork during pre-pour inspections and monitored both concrete and compaction tests
- Reviewed shop drawings for structural compliance
- Communicated regularly with various contractors, foremen, laborers, equipment operators, city officials, and representatives from other AECOM and geotechnical firms
- Became comfortable working in the field alongside contractors, foremen, laborers, and representatives of other firms
- Maintained a safe work environment by abiding by all safety measures set forth
- Assisted in the development of several structural design reports and contract packages
- Developed the ability to efficiently read and interpret structural drawings

Laborer, Mr. Nero Painting and Renovating, Sudbury, ON.

May-Aug 2014

- Procured and delivered construction equipment and materials
- Completed industrial and residential painting and renovation contracts
- Completed contracts involving the removal of hazardous materials
- Worked efficiently and dependably on independent job sites

Engineering Technician I, AECOM, Sudbury, ON.

May-Aug 2013

- Designed and developed construction drawings for major civil projects
- Collected field data, including measurements and inspections in order to develop design reports
- Analyzed the integrity of roadway structures and determined whether standards were met
- Calculated and designed pavement details
- Monitored construction operations
- Conducted cost analysis associated with rehab and replacement projects
- Completed a substantial amount of written reports for the MTO

Laborer, M.B.F. Painting and Property Management, Sudbury, ON.

May-Aug 2012

- Completed painting contracts on both residential and commercial property
- Maintained a clean and safe work environment
- Worked efficiently and dependably on independent job sites

Customer Service Clerk, Nu Look Paint and Wallpaper, Sudbury, ON.

2008-2011

- Provided excellent service to customers to meet all their painting and decorating needs including colour consultation, product application, and tool requirements
- Maintained the storefront including stocking, cash management, and resolving issues

Skills and Interests

- SAP2000/ ETABS
- Microsoft Excel
- AutoCAD
- SolidWorks
- Steel, aluminum and concrete design
- Structural analysis
- Fatigue design and detailing
- Project Management
- Surveying
- Communication skills and customer service
- Teamwork
- Research
- Drawing and sketching
- Healthy living and fitness
- Guitar playing
- Downhill skiing