**S. Philip Pachade, EIT, LEED®GA™**

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**(Open to relocation – US & Canada citizen)**

**EDUCATION**

**Western University**  **London, ON**

*Master of Engineering in Structural Engineering* Jan 2022-present

Cumulative GPA: XX/4.0

**Colorado School of Mines**  **Golden, CO**

*Graduate Certificate in Underground Construction & Tunnel Engineering* Jan 2021-Dec 2021

Cumulative GPA: 4.0/4.0

**Rutgers University**  **Piscataway, NJ**

*Bachelor of Science in Civil Engineering*  Sep 2016-May 2020

Cumulative GPA: 3.3/4.0

**OBJECTIVE**

Result-oriented Engineer-In-Training seeking an exciting and challenging career that enables me to work on technologically advanced projects and grants me the opportunity to innovate and enhance my technical skills while progressing the company to new milestones.

**PROFESSIONAL SKILLS**

* Experience with Civil 3D, MicroStation, UnWedge, RS2, ETABS, and Microsoft Office Suite
* Perform or Oversee laboratory/field testing
* Sound Knowledge of Engineering Fundamentals

**WORK EXPERIENCE**

**Mott MacDonald**  **Iselin, NJ; Toronto, ON**

*Tunnel Engineer I*  Feb 2020-present

* Generate tunnel drawings including plans, profiles, cross sections, and details.
* Develop cost estimates, schedules, and reports for underground infrastructure projects.
* Design various underground structures such as shafts, tunnels, and portals.
* Identify structural deficiencies in on-site tunnel condition assessment surveys.
* Digitize field notes to enhance clarity, document immediate action repairs, and enumerate structural deficiencies.
* Created a geologic profile utilizing AutoCAD Civil 3D that expedited the design process of a 44,000 feet wastewater tunnel.
* Visually inspected 10,000 feet of an aqueduct for structural deficiencies.

**The Boring Company**  **Las Vegas, NV**

*Tunnel Engineering Intern*  Dec 2019-Jan 2020

* Inspected tunnel ring segments for cracks, spalls, gasket damage, and durability.
* Retrieved and tested grout samples for compressive strength analysis.
* Pioneered an in-house geotechnical engineering testing laboratory complying with ASTM standards.

**Mott MacDonald**  **Iselin, NJ**

*Water Resources Engineering Intern*  Jan 2019-Dec 2019

* Developed design calculation and drawings.
* Reviewed and modified reports, specifications and studies related to water treatment plants, pump stations, and wells.
* Supervised NO-DES hydrant flushing program.

**Terracon Levittown, PA**

*Intern-Materials Testing*  May 2018-Aug 2018

* Performed field and laboratory tests related to soils, aggregates, concrete, asphalt, and/or steel.
* Transported materials samples between construction sites and laboratories.
* Performed materials testing and QA/QC inspection for commercial construction projects ranging from $50-$100 million.
* Documented findings and results for field technical reports.