

Tristan Rouse, M.BSc, CPHC

2361 Carpenters Circle, Oakville, Ontario L6M 3C7 | 289-795-8863 | tristan.j.rouse@protonmail.com

Self-starting individual who works co-operatively with others. My long term goal is to become a well-rounded professional in the world of construction and project management.

Education

RYERSON GRADUATE SCHOOL, 2019 – 2021

Master of Building Science (MBSoc)

- One-year master's degree program

RYERSON UNIVERSITY, 2015 – 2019

4th Year in Architectural Science, Majoring in Building Science (BArchSc)

- Four-year bachelor's degree program

Redhill High School (South Africa), 2009-2012, ABBEY PARK HIGH SCHOOL (Oakville), 2013-2015

Working Experience

BUILDING ENCLOSURE PROJECT MANAGER | BUILDING ENCLSURE LABS INC. | MARCH 2023 – CURRENT

Assist and manage building enclosure projects that include heritage masonry testing, restoration projects and building enclosure commissioning. Drafting proposals and completing invoices for projects, while maintaining a high standard of client communication. Conducting field reviews and report preparation for condition assessments and during construction. Conducting research for embodied carbon assessment and completing hygrothermal modelling for various building materials. Assist in tools to predict energy savings through roof retrofits and air leakage sealing methods.

BUILDING ENVELOPE ENGINEER-IN-TRAINING | ENGINEERING LINK INC. | APRIL 2021 – MARCH 2023

Assist in the design, detailing and contract administration co-ordination of commercial restoration projects that ranged from below \$100,000 to \$25,000,000. Conducting field reviews and report preparation during construction and comparing the ongoing work with project contract documents such as design drawings, specifications, and Ontario Building Code requirements. Conducting partial Property Condition Assessments (PCA) with a focus on the building envelope components of the building, including visual reviews, technical assessments and cladding and roofing assessments. Completed building component testing services to technical standards as part of building commissioning processes, including thermal imagery, window and curtain wall air and water tightness testing.

As a Building Envelope Engineer-In-Training, I have been able to work on large-scale projects with multiple stakeholders, project deadlines and varying project teams. I have gained experience with various project types including roof repairs and replacements, exterior masonry wall repairs and window replacements and foundation repairs. I have been challenged with balancing multiple project types with varying deadlines and project requirements, allowing me to maintain a high level of organization and successful communication with both clients and contractors.

PROJECT ASSISTANT (CONTRACT POSITION) | CITY OF BRAMPTON | MARCH 2021 – APRIL 2021

Assist in the research of project feasibility with the Public Works and Engineering Department. Assist in the completion of floorplan design and layout options for Youth Hub projects. Assist with meeting presentations and project options with other departments within the City of Brampton, including a new animal shelter project and a police building expansion project.

As a contract member of the Public Works and Engineering Department, I was able to learn about internal processes of project feasibility, research, and execution within the City of Brampton. I was able to communicate with City of Brampton stakeholders. I had the opportunity to have an impact in the larger community within a city.

JUNIOR BUILDING SCIENTIST | SUSTAINABLE. | APRIL 2019 – APRIL 2020

Assist in the design and detailing of residential architecture projects. Assist in the detail development of construction projects. Understanding the hygrothermal behavior of building assemblies and materials. Analyzing the energy performance of residential projects. Conducting house analysis such as blower-door testing and thermal imagery testing. Understanding Building Science standards and conveying the parameters to clients.

As the Junior Building Scientist, I was able to learn about client management, as well as collaborating with people with various types of personalities and backgrounds. Collaborative work was a vital part of the firm and I was able to engage with professionals and learn from them. The skills I learned at the firm has allowed me to grow and form a passion for environmental design and sustainable materials.

QUANTITY SURVEYOR ANALYST | PELICAN WOODCLIFF INC. | SUMMER 2017, SUMMER 2018

Assist in report development: Assist in the report cycling within the firm. Conduct site visits to document the development of projects and compare that to financial records. Prepare Excel spreadsheets for report cycles and analyze construction timelines and budgets. Develop and maintain client relationships.

Working in a Quantity Surveyor firm allowed me to work with industry professionals and to understand the operation of firms in the construction and project management industry. The skills I learned in the office have been translated to my university work.

SERVER | IL FORNELLO RESTAURANT | APRIL 2015 – CURRENT

Served customers: Maintaining the standard of the restaurant in terms of service, hygiene, and value for money. I also assist in the opening of the restaurant when working the morning shifts and I help close it after the evening shift has ended. Coordinate with other servers, kitchen staff and the customer to enhance the dining experience.

Achievements and Certifications

Achievements and Certifications as follows:

- Certified Passive House Consultant (PHIUS) (2020-2023)
- ShapeLab Design-Build Competition Winner (2018)

Interests

- Sports (rugby, cricket, snowboarding, tennis)
- Running
- Muay Thai Martial Arts
- Woodworking

Computer Skills

Have competent-to-advanced skills in each of the following:

- AutoCAD (architectural software)
- Revit (Design software)
- Green Building Studio (Revit building analysis plug-in)
- Hot2000 (Building Science software)
- THERM (Building Science software)
- WUFI (Building Science software)
- WUFI Passive (Passive House Design tool)
- Rhino (Design software)
- Sketchup
- Adobe Photoshop
- Adobe InDesign
- Adobe Illustrator

- Microsoft Office (Word, PowerPoint, Excel)
- OneClick LCA