

KONRAD YEE

Toronto, ON

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Education

University of Toronto

September 2024 – Present

Bachelor of Applied Science in Civil Engineering

Toronto, ON

Relevant Coursework: Statics, Fluid Mechanics, Engineering Strategies and Practices, Construction Management

Technical Skills

Skills: Structural Analysis, Project Coordination, Materials Management, Cost Estimation, Process Improvement

Software: AutoCAD, Rhino 3D, BricsCAD, WoodWorks®, SolidWorks, VSCode, Sketchup, Floor Planner, Propeller®

Productivity: Microsoft Office, Smart Sheet, Slack, Microsoft Dynamics CRM, Microsoft Teams, Excel, MATLAB

Experience

Structural Engineer Intern

June 2025 – August 2025

Exactus Energy

Toronto, ON

- Performed wind, seismic, and uplift calculations for NBC/IBC/IEBC regulations, using WoodWorks®, AutoCAD, and BricsCAD, improving the accuracy of structural assessments for solar panel installations.
- Managed over 60 engineering projects independently via VM, uploading calculations and documentation, accelerating timelines and meeting client deadlines.
- Conducted roofing analysis to assess damage and structural integrity, supporting engineers in validating safety for diverse projects.
- Updated project logs and client communications in Dynamics CRM and Smart Sheet, enhancing project coordination and workflow transparency.

Materials Coordinator

March 2023 – June 2023

Green Infrastructure Partners Inc.

Toronto, ON

- Developed a comprehensive data reference system on Excel for asphalt pile inventory, improving data accessibility and operational efficiency by 50%.
- Utilized advanced Excel skills to organize, analyze, and present complex data sets, enhancing material quantity tracking and reporting accuracy.
- Integrated Propeller Software to perform precise volumetric calculations of asphalt piles, increasing inventory management and decision-making accuracy.
- Streamlined asphalt pile data management by pioneering centralized reference files, significantly enhancing operational agility and accessibility.

Facilities Management Assistant

June 2022 – August 2022

Black Creek Co-operative Homes

Toronto, ON

- Coordinated with contractors and external vendors, overseeing over 50 maintenance work orders and ensuring timely resolution of repair tasks.
- Streamlined maintenance and repair processes, reducing average response time by 13%, contributing to improved tenant satisfaction and service delivery.
- Implemented a new maintenance inspection and reporting system, enhancing task efficiency and prioritization of critical repairs, demonstrating project management skills relevant to civil engineering.
- Applied versatile skills in carpentry, plumbing, and electrical work. Implemented proactive maintenance strategies, enhancing resident satisfaction.

Projects

Project Lead on Modular Cart | *AutoCad, Rhino, Excel, Microsoft Office*

January 2025 – April 2025

- Shaped the design and delivery of a modular mobility and bed-stop system for a mid-century etching press on AutoCAD and Rhino, meeting the client's need for a safe, accessible, and single-person operational solution.
- Led a cross-functional team through the ideation and evaluation of 68 design concepts, leveraging morphological charts and the Pugh method in Excel and Microsoft Office to select the optimal solution aligned with client priorities.
- Conducted structural analysis, including force calculations and load testing, to verify the design's capacity to withstand 1400 lbs, enhancing operational safety and mobility.
- Managed project timelines and deliverables through Microsoft Teams, coordinating weekly status reports and ensuring the project's on-time completion under tight academic deadlines.