

# Chris Fitzgibbon, P.Eng

(403)-993-0728 • [chris.s.fitzgibbon@gmail.com](mailto:chris.s.fitzgibbon@gmail.com) • <https://www.linkedin.com/in/chris-fitzgibbon/>

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## HIGHLIGHTS

- 7 years of experience leading design teams and projects in a highly complex manufacturing environment
- Coachable and capable learner with knowledge and experience extending well beyond my discipline
- Amiable leader with success in delivering high-quality results, attributable to a flexible leadership style focused on mentorship
- Skilled at solving complex problems with competencies in defining, decomposing, and articulating problems

## EDUCATION

**University of Toronto**, Toronto, ON

**Master of Applied Science (Sustainability)**, 2023-present (2025 expected graduation)

- Perfect GPA (A+ in every course)
- Thesis: original research to develop an expanded method for planning electricity systems which specifically addresses deep uncertainty to better satisfy emerging priorities, such as reducing emissions, minimizing impacts to communities, etc.

**Queen's University**, Kingston, ON

**Bachelor of Applied Science (Chemical Engineering)**, 2012-2016

- GPA: 3.8/4.3 (87%)
- Dean's Scholar and Honors List for all years
- Extracurriculars: Chemical Engineering Club president 2015-2016, Cross Country Varsity team member 2012-2016

## EMPLOYMENT EXPERIENCE

**Cheme Engineering**, Greater Toronto, ON

**Engineering Lead**, 2022-2023

- Led team of 4 engineers through conceptual & detailed design of a new process in a field unfamiliar to the firm (sustainable paper packaging), with 20+ drawings and specifications transmitted to client on-time, receiving outstanding feedback
- Solved elusive problem of steam wastage within a vast network of campus district heating, utilizing robust root-cause analysis to identify defective equipment and propose creative and inexpensive (<\$10k) solution, with annual savings >\$100k
- Coached and trained junior engineers in safety, technical aptitude, professional skills, and hands-on fieldwork
- Recognized as a Subject Matter Expert in multiple technical fields, responsible for dispatching to clients to resolve issues and disseminate knowledge internally and externally

**Engineer**, 2021-2022

- Contributed to design of vaccine transport tanks, made challenging by numerous and diverse stakeholders, then promoted to project lead role ultimately delivering \$10M project to the client on-time and with praise from management and end-users
- Delivered urgent design solutions within a hand-picked team for a new client in a field novel to the firm (nuclear medicine)
- Managed engineering design process of translating a conceptual design to procured equipment (via specifications, tendering, bid review, detailed design, etc.) for equipment packages worth >\$10M for a new \$500M influenza vaccine project

**Engineer-in-Training**, 2019-2021

- Designed, procured, and commissioned new vaccine manufacturing process to replace ageing equipment, collaborating with 50+ stakeholders and managing \$5M worth of contracts, resulting in a process with novel and industry-leading biosafety
- Nominated for the firm's Honor & Integrity award for excellence in exemplifying company's values

**Sanofi Pasteur (Resource Loan from SNC-Lavalin)**, Toronto, ON

**Engineer-in-Training**, 2016-2019

- Supported data-driven troubleshooting of major manufacturing deficiencies by researching and collecting experimental data
- Developed & executed scientific protocols to characterize vaccine intermediate products at various process stages
- Implemented robust animal use procedure to guarantee responsible experimental design for non-routine animal-based research, collaborating with technologist, veterinarian, and senior quality staff

## ADDITIONAL INTERESTS AND ACHIEVEMENTS

- Volunteer coach, University of Toronto Track Club 2023-2024
- Animal Care Committee member, oversaw responsible and ethical animal research for Sanofi Pasteur 2018-2019
- Self-taught conversational French language
- Interests: competitive running (73:29 half marathon), international travelling (15+ countries), cycling, backpacking