

# Cairo Cristante

Fourth Year Chemical Engineering Student  
PEY Student, Chemistry & Environment, Darlington Nuclear

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Ontario Power Generation  
700 University Avenue  
Toronto, ON, M5G1X6

## RE: Engineering and Applied Science Trainee (MP2) (52592)

Dear Hiring Manager,

I am writing to express my strong interest in the Engineering and Applied Science Trainee program at Ontario Power Generation. Upon completing my 16-month Professional Engineering Year Internship in August 2025, I am eager to continue my professional development with OPG.

This trainee position directly supports my career objectives by providing the hands-on experience and engineering training necessary to obtain my Professional Engineering License (P.Eng). My passion for nuclear technology, particularly in design and new nuclear applications, aligns with my long-term goal of contributing to new nuclear station design. Throughout my internship, I have been impressed by OPG's unwavering commitment to safety, excellence, and maintaining the highest industry standards, values I consider essential in plant engineering.

As a current PEY student with Darlington Chemistry Laboratory and Chemistry Technical, I have developed comprehensive understanding of the knowledge and skills required for Central Chemistry team operations. My involvement in migrating to a new Laboratory Information Management System (LIMS), collaborating with Central Chemistry, has strengthened my grasp of governing chemistry principles and best practices to maintain system health. Additionally, my laboratory support work has provided me with thorough understanding of analytical techniques and chemical monitoring practices, enabling me to operate effectively within the Central Chemistry team's broader scope.

My experience on the LIMS project and Chemistry Technical team work has provided exposure to diverse plant systems typically inaccessible in other company positions—from primary and secondary systems used in power generation to specialized auxiliary systems supporting plant operations. This comprehensive systems knowledge, combined with my chemistry control expertise, allows me to offer a unique perspective for design requirements in new nuclear and plant design applications.

Thank you for considering my application. I have attached my resume and official transcript for your reference. I welcome the opportunity to speak with you further about how I can contribute to the on going success OPG's industry leading engineering as a part of the Engineering and Applied Science Trainee role. Please feel free to contact me via email at [cairo.cristante@gmail.com](mailto:cairo.cristante@gmail.com) or call via +1(647)-968-8060.

Thank you for your consideration,



**Cairo Cristante** (he/him)

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