

MATTHEW PRZYBYLOWSKI

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PROFILE

Completing my **3rd year of Engineering Physics and Management** with a focus in **Nuclear Engineering at McMaster University**. Have an expected graduation of spring 2023. Offering communication, technical and organizational skills developed through co-op positions with **Nuclear Promise X, Candu Energy** and **Aecon Nuclear**.

EXPERIENCE

- July 2021-
Present
- Canadian Regional Lead, *NAYGN*
- Coordinate** monthly Canadian regional LCL Calls
 - Organize** chapters and **maintain** operations within Canada
 - Lead** the organization of the first in-person Canadian Regional Conference acquiring 5 sponsors from Canadian industry leading companies
- September
2019-July 2021
- President, *NAYGN McMaster Chapter*
- Collaborating with my peers to make a positive impact and **unite** young professionals who value nuclear science and technology.
 - Responsible** for club outreach, meeting organization and growth of the club along our defined goals. **Lead** communication between NAYGN and our local chapter.
 - I have **collaborated** as a part of the team at the forefront of the club's growth and **development** within our community
- May 2021-
August 2021
- Junior Project Coordinator, Aecon Nuclear
- Developed** and maintained project execution timelines as estimates were consistently updated.
 - Lead and **planned** site walk downs at the Darlington Nuclear facility.
 - Developed project workplans and documents to prepare for project execution.
 - Coordinated** team meetings with individuals across numerous departments.
 - Tracked** completion progress of project tasks and helped to maintain morale and motivation.
- January 2020-
August 2020
- Junior Reactor Core Physicist, *Candu Energy – Member of the SNC-Lavalin Group*
- Innovated** in the workplace through my assessment, use, and implementation of local GIT repositories for code revision tracking. **Outlined** procedures for the adoption of GIT in the department throughout their regular operations.
 - Developed a **technical understanding** of reactor dynamics through modernization of the WIMS-UTILS software and operation of other reactor simulating codes.

Co-Authored report in the implementation and verification of patch work for RFSP codes alongside a team of Senior Reactor Core Physicists.

Safety was understood to be a priority in the workplace where we consistently reflected on potential hazards. I maintained a high focus on safety in the work that I completed daily.

May 2019-
August 2019

Innovation Catalyst, *Nuclear Promise X*

Expanded my technical skill set by creating heat balance diagrams, reviewing additional system training modules and participating in System Readiness Review meetings with Subject Matter Experts during my work on the Power Recovery Program for Bruce Power.

Utilized my **problem-solving** abilities when learning MS Flow and PowerApps to create a dynamic HTML to PDF converter used in customer products.

Developed valuable **collaboration skills** through my contribution on an internal company research project. The project investigated viable Carbon Capture and Utilization solutions Bruce Power could implement to utilize excess energy Ontario produces during low peak times while in turn making Bruce Power carbon negative/neutral.

Became **proficient** in MS Visio and MS Project using the software's as I managed and lead the integration of Nuclear Promise X's primary infrastructure projects

ACTIVITIES AND INTERESTS

September
2017-Present

Men's Varsity Rugby Team, *McMaster University*

Collaborated with teammates to achieve a common goal.

Shared my experiences and gave time management advice to first year rugby student athletes in our mentorship program.

Effectively **time managed** schoolwork while dedicating 20 hours a week to practices and team lifts.

KEY SKILLS AND CHARACTERISTICS

· WHIMIS Trained

· Python, C, Java
experience

· Maplesoft and Matlab
softwares

· Microsoft Office Suite

· HTML coding

· Web Development