

# MARY GRACE KALNAY

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I am a project manager and aerospace engineering student with a BSc in Physics and Computer Science from McGill University. With substantial experience coordinating complex projects including spacecraft development I aspire to work on aerospace industry programs.

## Relevant Experience

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### Project Manager

*Space Concordia - Spacecraft Division* | September 2018 - Present

- Manage 1 of 15 teams selected for the Canadian Space Agency's CubeSat Project.
- Develop and implement working standards for the design and build of a CubeSat scheduled for launch in November 2021.
- Write and consolidate project review documentation.
- Work closely with team leads, payload manufacturers, and end users to meet project targets.
- Develop systems engineering skills.

### Research Assistant

*Department of Physics - McGill University* | 2016 - 2017

- Studied computational materials science with Professor Nikolas Provatas' research group.
- Simulated alloy solidification using high-performance computational models.
- Participated in community outreach at local high schools and the McGill Physics Hackathon.

### Program Development Specialist

*McGill University* | March 2018 - October 2018

- Developed orientation programming strategies for the 6000 incoming students of 2018.
- Improved relationships and built consensus across multiple stakeholders driving a collaborative approach for problem solving.
- Coordinated and facilitated workshop training sessions for 1000 staff.
- Managed a team of 90 students through the planning and execution of 300+ hours of programming.
- Constructed a registration process integrating multi-stage cross referencing and payment tracking for 6000 users and more than \$500,000.

## Education

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B.Eng, Aerospace Engineering, Concordia University September 2018 - Present

B.Sc., Physics & Computer Science, McGill University Graduated in May 2018

## Other Activities & Skills

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McGill Society of Physics Students: President, VP Finances, and First Year Rep  
McGill Science Undergraduate Society: Executive Director and Event Coordinator  
Royal Winnipeg Ballet School: Professional ballet student and choreographer  
Canadian Merit Scholarship Foundation: Loran Scholar National Finalist in 2013

Technical: C++, Excel, VBA, LaTeX, SolidWorks, Microsoft Office Suite, WordPress, Bash  
Interpersonal: Public speaking, workshop facilitation, conflict resolution, team building, leadership development, effective communication.

Languages: English and French