

Aidan De Shane-Gill

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EDUCATION

Bachelor of Engineering | *McMaster University* Sep. 2021 - Apr. 2025 | Hamilton, Ontario

- Anticipated mechanical engineering specialization | GPA: 4.0

Relevant Coursework: Materials Science, Engineering Graphics, Python Computing

SKILLS

Software: SolidWorks, Autodesk Inventor, TinkerCAD, Ansys Granta, PrusaSlicer

Machine Shop: Band saw, Circular saw, Drill press, Belt/disc sander, Jointers, Hand tools

Other: French, Python 3, Microsoft Office, Google Office Suite

PROJECTS

Jr. Design Challenge Vehicle *McMaster Engineering Competition (MEC) - Oct. 2021*

- Designed, prototyped, and presented a multi-purpose vehicle to complete 3 distinct tasks using renewable materials, **achieving finalists**
- Coordinated team with clear communication to prioritize presentation, design, and construction, completing the project in under six hours

Omnidirectional Wind Turbine *Cornerstone Design Projects in Engineering - Oct. 2021*

- Developed a wind turbine design capable of omnidirectional power generation using **Autodesk Inventor**, 3D printed prototype without support material using **PrusaSlicer**

On The Surface *Deltahacks 8 - Jan. 2022*

- Created 3D assets using Blender and implemented AR functionality using Echo3D
- Led a team of three through the design and planning phases of the project, playing a critical role in its completion in under 36 hours

EXPERIENCE

Chassis Team Member | *McMaster Baja Racing* Nov. 2021 - Present | Hamilton, Ontario

- Collaborated with 4+ team members to complete front cowl mold glue-up and rear cowl mounting, adding aesthetic appeal and meeting deadlines for 2022 competitions
- Refined existing front cowl CAD model using **SolidWorks**, improving manufacturability and minimizing potential failures

Sales Associate | *Gap Inc.* June 2021 - Present | Mississauga, Ontario

- Fulfilled **250+ orders per shift** by adapting to store needs as a team and supporting cash wrap, back of house, and sales floors
- Communicated with customers in a professional manner to manage potential conflict, praised with **95%+** in positive customer service ratings

Cashier | *Pizza Nova* Jan. 2021 - Aug. 2021 | Mississauga, Ontario

- Reduced wait times by **20%** through streamlining store workflow and efficiently operating industrial culinary equipment
- Fulfilled **150+ orders per shift** during peak store hours with accuracy and speed by collaborating effectively in a team environment

AWARDS

Governor General's Academic Bronze Medal | *Streetsville Secondary School - June 2021*

- Achieved the highest grade 11 and 12 academic average of the Streetsville Secondary School 2021 graduating class