

# James Gullberg

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## EXPERIENCE

### Malisa Fashion — Salesperson

March 2023 - July 2023

Proactively engaged and communicated with prospective clients via email to drive revenue growth for the company.

### HighPoint Property Management — Covid Screener

September 2021 - February 2022

Conducted rigorous screening procedures for all individuals entering the swimming facility. Verified and documented proof of vaccination in adherence to established protocols and public health guidelines.

## EXTRACURRICULARS

### Starting a 3D printing and design business

March 2022 - July 2023

Used **Onshape** to make custom products for clients as well as original designs. Utilized **FDM 3D printing** for fabrication. Sold products on Etsy and Facebook and marketed through Tik Tok, Reddit, and several Meta platforms. Generating over \$13K in sales.

### Queen's Aerospace Design Team — General Member

October 2023 - Ongoing

Designed and fabricated molds for carbon fiber wings utilizing CAD and 3d printing.

Created **Solidworks** models of several components to visualize the general layout of the aircraft.

### Queen's Relectric Design Team — General Member

October 2023 - Ongoing

Designed a mount for the flywheel casing to be used in an electric jeep conversion. Used **Solidworks** for modeling, **FEA analysis**, and to produce **engineering drawings** to be manufactured by a machinist.

### Queen's Space Engineering Team — General Member

October 2023 - Ongoing

Utilized **Solidworks** to design a differential bar for a rover, and fabricated it from a broken hockey stick and 3d printed parts.

## SKILLS

4 years experience of 3D modeling in CAD software such as **Solidworks**, **Onshape** and **Fusion 360**, implementing **DFM/DFA** principles and **FEA** analysis.

3 years experience in 3d printing.

4 years coding experience with **Java**, **C**, **Python**, and **Arduino**.

Fluent in traditional **Mandarin Chinese**.

Proficient in Microsoft **Word** & **Excel**.

## EDUCATION

**BASc In Mechatronics Engineering** - 2027

Queen's University, Kingston, ON

## AWARDS

**Queen's Engineering Competition 2023, Jr. Design** - 2nd Place

**Queen's University Engineering Sustainable Solutions & Technologies Competition 2023** - 2nd Place

**Western Engineering Competition 2022, Mini Design** - 2nd Place

**Western Engineering Competition 2021, Mini Design** - 1st Place