

# Bartholomeus Harmse

Location: Glasgow

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## Objective:

I'm striving to join the **Aerodynamics or Unsprung Mass** teams for UGR. As an alternative I also express an interest in Chassis and Low Voltage divisions.

These teams fairly applicable to my course, but mostly in line with my current skillset. I believe they are also the best option to further expand my knowledge and build valuable experience – applicable in various future career paths, mostly automotive/aerospace.

I have always shown interest in planes, cars, and all things practical/mechanical, and throughout my life indulged in these concepts. As a student based program, UGR appears to be the perfect environment to expand on my passions and interests.

## Education:

- *University Of Glasgow: Present*
  - BEng Aerospace Systems
  - 3<sup>rd</sup> Year
  - 2<sup>nd</sup> Year Direct Entrant
  - Anticipated Graduation: 2022
- *Glasgow International College: January-July 2019*
  - Fast-Track Foundation Certificate in Science and Engineering
  - Passed with Merit
- *Windhoek Afrikaanse Privaatskool (High-school): 2018*
  - 6 Higher Subjects
  - Graduated with Average of 76.6%
  - 36 APS Points.

## Applicable Experience:

1. Extensive knowledge and technical skills regarding automobiles and related mechanical machinery. These include engine building, suspension/drive-train, metal fabrication, electrical wiring, fuel systems and general restoration (Painting, Upholstery, etc.)
2. Familiarity with flight dynamics, aircraft technical and all other related fields/subjects covered during pilot-training. [Aircraft type ratings for single engine piston (Cessna 182, Sling 4).]
3. Systems and Hardware repair. Acquired through working (unofficially) as an intern IT Repair Technician. This consisted majorly out of antenna, modem and server repairs.

## Additional Skills:

- *Software & Programming:*
  - AutoCAD (Intermediate) Covered in high-school
  - SolidWorks (Intermediate) Being Covered as Coursework
  - MatLab (Basic) Being Covered as Coursework
  - Python (Intermediate) Being Covered as Coursework
  - C+ (Basic) Being Covered as Coursework
- *'Soft Skills'*
  - Proficiency in multiple languages, fluency in two.
  - Management and Marketing experience

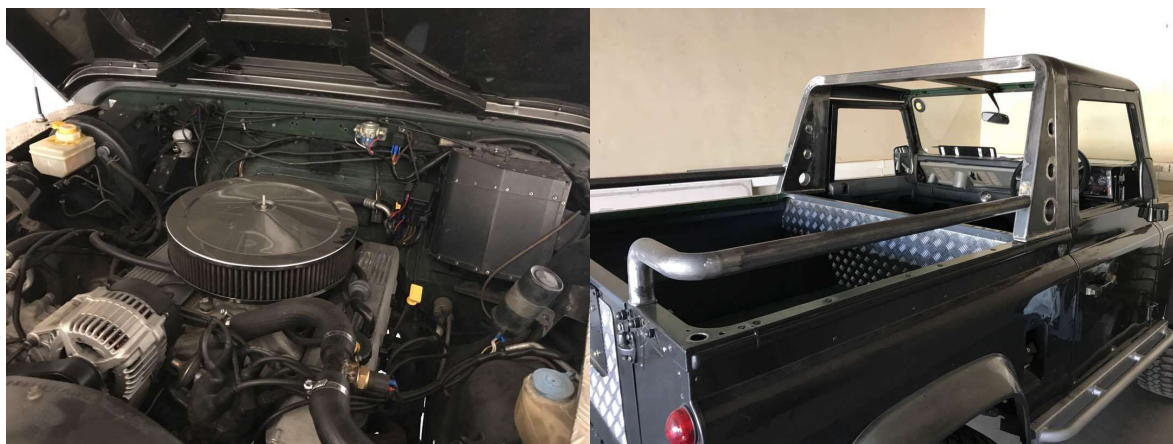
## Noteworthy Achievements:

- Obtained the highest mark in my country for Engineering Graphics & Design upon graduation (91%, IEB-Curriculum).
- Acquired my pilot's licence at 17, at the time the youngest in my country to do so.
- Vice captain of the hockey team during the final of three years playing for my high school's 1<sup>st</sup> team.
- Won an award for 'Best custom automobile of the year' at a car show with one of the cars I restored during high-school.

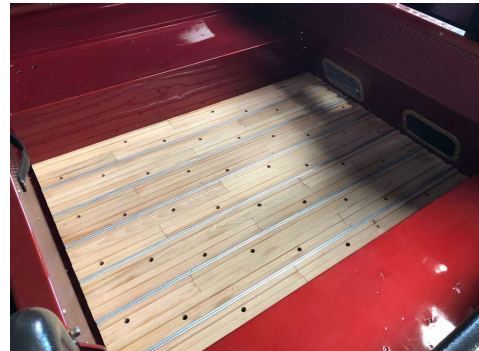
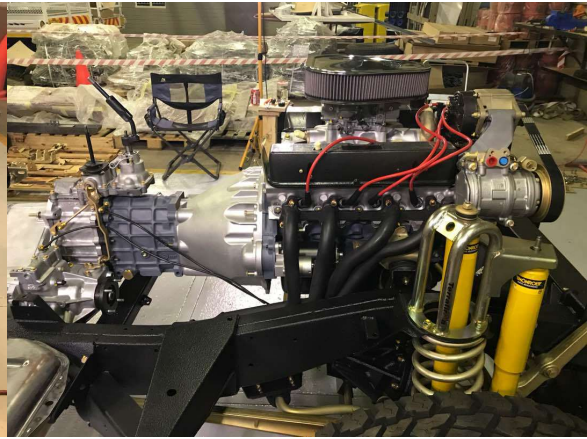
## Portfolio:

***Landrover Defender 90, Extensively Modified.***

*Ground-Up rebuild, roughly 1500 hours.*







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*1972 Chrysler Valiant Regal, Partial Restoration,  
Engine and Drivetrain Rebuild, Roughly 600 hours.*





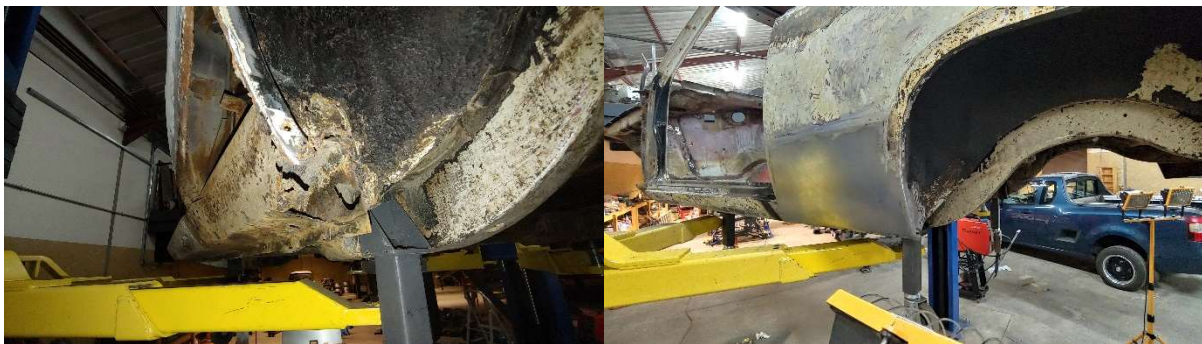


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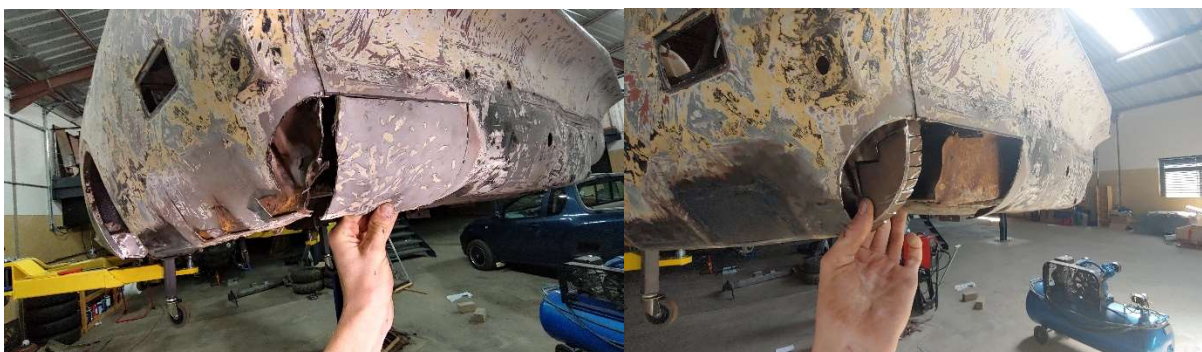
*1969 Plymouth Barracuda, Full Restoration,  
Extensive Metal Fabrication, Roughly 450 hours (ongoing)*



*Right Quarter Panel Rust Repair*



*Left Quarter Panel Rust Repair*





### Rear Left Corner Collision Repair

*If a more in depth view of my portfolio is desired, I have a youtube channel called 'Namib Automotive' where I feature some other projects.*

## Documents & References

All documents, files and references which could serve as proof of qualifications and achievements will be provided on request, with original documents to be presented when an interview takes place regarding this placement.

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