



Phone:

022 536 8560

Email:

[dowdallmax@gmail.com](mailto:dowdallmax@gmail.com)

Github:

<https://github.com/Grapes42>

*MAX DOWDALL*



## Profile

Max is hard-working, and is constantly willing to learn, no matter the environment he is thrown into. He is able to fit well into new teams and environments with his open mindset and friendly personality, getting on well with people in a range of age groups and diversities, and working well in a team. Max always likes to make light of struggle and hardship, motivating others and helping in any way he can. His good sense of humour never hurts either.

Max has a keen eye which allows him to work well in areas of design. He displays dedicated effort and responsibility, taking pride in his work, and making sure it is to a high standard.

He is experienced in the areas of technology and engineering with 5 years of experience writing in Python and C++, designing in CAD software, and generally playing around with technology. Max has over 3 years of experience in a metal workshop where he entered and gained 1st places in the competition EVelocity.

## Key Transferable Skills & Experience

- + Excellent social skills and ability to interact with customers. This was crucial in my last job working at the retail store [Dangerfield](#), which involved constant and important customer interactions.
- + 5 years of experience working with the CAD software [FreeCAD](#). It is very similar to the industry standard, [SOLIDWORKS](#).
- + 5 years of experience programming in Python and C++, and generally playing around with technology.
- + 3 years experience in a metal workshop which gave him knowledge of many tools and machinery including lathes, milling machines, and CNC machinery including 3D printers and CNC mills.

## Interests

- + Max enjoys and can effortlessly socialise and talk with new people. He finds people interesting and enjoys making them laugh and smile.
- + Max enjoys building projects, and consequently ends up spending lots of his time in hardware stores. As he is looking for materials and tools, he enjoys spending his free time exploring and learning.
- + Max spends most of his free time skateboarding and mountain biking, and sometimes finds himself fixing up his bike on the side of the road or trail, with his trusty Leatherman and bit set in hand.
- + Max is a big computer nerd, enjoying writing in Python and C++, and playing with networking. He loves playing around with technology, especially that is old and/or obscure.
- + Max enjoys designing projects using CAD software such as [FreeCAD](#) for 3D modelling, and [KiCAD](#) for PCB design
- + Max was a part of the team "Loyal Engineers" of Howick College. He, along with some of his friends, entered into regionals in 2021 and 2022 winning the titles stated in Educational Achievements, and would have gone through to nationals in 2021 if not for Covid-19 restrictions. The creation of the car involved waking up early every single day for both years of the competition, this allowed them to work in the school workshop before the school day started.

## Educational Achievements

- 2021 - Won two 1st places at regionals for the electric cart competition EVelocity. He was part of the team "Loyal Engineers" of Howick College.
- 2022 - Won a 3rd place, a 2nd place and two 1st places at regionals for the electric cart competition EVelocity. He was part of the team "Loyal Engineers" of Howick College.
- 2022 - Won a 1st place at nationals for the electric cart competition EVelocity. He was part of the team "Loyal Engineers" of Howick College.
- 2023 - Passed NCEA Level 2, excelling in Physics.

## Educational Goals

- + Pass Level 3 Physics and Level 2 Calculus.
- + Gain a Tool-making apprenticeship.

References - available on request

