

Minette Farrell

Data Engineering Student

An out of the box, creative and curious thinker with a passion for science, mathematics and psychology who enjoys finding new ways to solve modern challenges in a sustainable way.

EDUCATION

LaRochelle Girls; High School,
Paarl— National Senior Certificate — 2019

Awarded best cultural and academic student of the year
2019 Graduated fourth in my matric class
Average of 89.5%
8 Distinctions:

- English Home Language
- Afrikaans Huistaal
- Mathematics
- Physical Science
- Life Science
- Geography
- Music
- Life Orientation

Stellenbosch University,
Stellenbosch— Bachelors in Engineering - 2020 to present

*Studying BEng. Electrical and Electronic Engineering -
Data Engineering Specialization*

First year average: 79%
Second year average: 72%
Third year average: 70%

Achieved distinctions in 20 subjects

Achieved a Dean's Merit in 9 subjects

Chosen as a class representative for

- Mathematical Statistics 214
- Mathematical Statistics 245
- Mathematical Statistics 246
- Computer Science 334

CONTACT DETAILS

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Paarl, Western
Cape, 7646

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SKILLS

Communication
Creative thinking
Critical thinking
Collaboration
Adaptability
Analytical thinking
Problem solving skills
Time management skills
Stress management skills
Project management skills
Strong work ethic

LANGUAGES

English (Fluent)
Afrikaans (Fluent)

PROGRAMMING LANGUAGES

C, C++, R, Java,
MatLab, ARM, Python

INTERESTS

Artificial Intelligence
Machine learning
Mathematics
Music
Neuro-Science
Philosophy
Psychology
Statistics

PROJECTS

Improving airplane safety — 2014

During my grade 7 year (2014), I participated at the International Science Fair for young scientists where I received a silver medal and won the overall category prize. For my project I did an engineering task that tested different ways to make the impact of airplane crashes less. This task helped me to change my way of thinking to be more scientific and accurate. It taught me to question things, rather than just accepting it.

The effect of cognitive lateralization on object recognition — 2018

During my grade 11 year (2018), I once again participated at the same International Science Fair. The aim of this investigation was to determine whether there are certain characteristics that could be singled out to have a distinct role in object recognition.

This task combined data analysis with behavioral psychology and artificial intelligence and is a perfect example of my three biggest passions: psychology, mathematical analysis of data and problem solving. During this project I discovered my love for data analysis. Since this was an extra-curricular project, I also had to learn how to manage my time and priorities.

Building an online resume — 2022

During the December holidays of 2022, I did a few courses in frontend development using: HTML, JavaScript and Flask. To test my understanding, I decided to build a website that serves as an online CV. Link to the website: <https://farrellminette.github.io/resume/>

REFERENCES

Madelein van Niekerk — SOFTWARE ENGINEER AT GITLAB

Minette loves a good challenge and will push through to complete any task she sets out to do. She is a likeable and friendly person and will be very capable as a team member and a leader one day. She has done job shadowing with me and helped implement a backend feature on GitLab. She is curious to understand how things work and loved seeing the changes in practice.

ACCOMPLISHMENTS

Member of the Golden Key International Honour Society since 2020

Awarded the best cultural and academic student of my matric class 2019

Among the top ten of my grade from grade 4 until matric.

In 2014 I competed in an international science fair where I received a silver medal and won the overall category of Aeronautical Engineering.

In 2018 I competed in the same international science fair and received a golden medal in the category of Psychology and Social Studies.

Awarded the best pianist at a provincial music competition, along with various other music awards for piano, drum kit and singing.

Chosen as a reserve to take part in an International Mathematics Olympiad in Hong Kong.

Participated at numerous national competitions including Vaulting, Irish dance and Gymnastics and received places among the top 3 at national level within all three disciplines.

I was a part of the choir management team that took part in the World Choir Games where we achieved two golden awards.