



Personal Information

Marital Status: Single

Nationality: South African

ID Number: 960824 5049 086

Languages: English

Disabled: Yes - Left Hemiplegia (cerebral palsy)

Contact Information

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KYLE ERWIN

Computer Science Honours Student (BSc CS Hons)

I am a confident person and work equally well in a team or on my own, giving my dedication and full commitment to my work. I am enthusiastic and passionate about programming as well as the theory and architecture behind it.

During my primary school years I was editor and chief of the school newspaper. At high school I enjoyed participating in sports, especially water polo, and despite some initial physical difficulties, I was part of the First team for 3 years. I participated in the school's major production in my final year as Set Manager and also played minor role in the play. I received the "Young Historian of the Year" award as well, the Information and Technology award. I was also awarded the "Per Ardua ad Astra" Trophy for endeavour - Grade tutor's award with the following citation:

The young man receiving this award is a gentleman. He has always been most courteous and well turned out. Taking pride in his appearance and presence. He is respectful, helpful and willing to assist. He has an easy sense of humour and manages to calm, as well as drive those around him positively. He has a natural curiosity and his teachers notice how he goes beyond what is required, searching to expand not only his knowledge, but to add to the class. He has set high standards for himself and endeavours to meet these. He is an avid aquatic sports lover. His determination to succeed in the pool has been noteworthy. Despite physical hindrances, he has worked harder, worked smarter and been ever driven to never let this slow him down, or be seen as weakness. In fact I believe this is actually his strength

Post high school I became a leader on the Res Management committee for TuksVillage where my duties included managing the student body and marketing. Marketing included the promotion and design of posters for TuksVillage events. I have also worked with the university on writing AI algorithms.

I have also started my own company which deals in the creation and management of websites and webapps. Here I learnt a lot of useful skills such as dealing with clients and mocking concepts.

I also like to take part in outreach. In high school I was on committees for outreach where I participated in projects, amongst others, rehabilitating owls, visiting the elderly and building a creche. In my time at varsity I helped build an irrigation system for a small community as well as helped raise funds for an animal shelter.

Education

Tertiary

Currently BSc CS Hons at University Of Pretoria

Tertiary

BSc CS at University Of Pretoria

Secondary Education

Matriculated in 2014 from Beaulieu College

Primary Education

Bellavista School until Grade 7 (2009)

Beaulieu Preparatory until Grade 4 (2006)

Programming Knowledge

I have acquired a wide variety of knowledge of computers and programming languages throughout my studies and personal interest.

These include (but not limited to):

- Java
- Python

- C
- C++
- Assembly
- SQL and postgres
- LAMP stack web languages (html, js, css, php)
- Mean stack web languages (mongo, express, angular, node)
- Scala and the sbt console
- Dart

I also have some experience with other languages, including legacy languages. I enjoy building apps with the mean stack and have a good knowledge of angular 4. I also enjoy using scala to write AI based programs. I enjoy writing genetic algorithms and particle swarm optimization algorithm. I completed the AI course for my degree with a distinction. I also did well in the Human Computer Interaction course which dealt with the psychology of design and creating prototypes.

I have experience with (but not limited to):

- Linux
- Github and zenhub
- Mocking Tools
- Docker
- Waterfall process
- Design Patterns
- Data Structures
- Work with adrino boards (robotics)

Skills and Attributes

- Able to give good presentations to a group
- Understanding of computer hardware
- Experience in working with a group and on my own on projects
- Responsible
- Good time managment
- Able to write high standard essay or reports
- Keep up to date on current affairs
- Confident and capable of leading a group