

Joshua Walker

Final Year BSc Computer Science Student

Profile

I am a Final Year Computer Science Student at The University of Pretoria. Out of the range of topics I have been exposed to in my studies, I find Artificial Intelligence and Backend Development to be some of the most interesting. I am eager to improve my knowledge and skills in these areas this year and in my Honours programme next year.

Having always been fascinated by Computers and Software, I see them as the primary drivers of innovation and efficiency in our modern world. I believe a successful career in this vast and ever-changing field requires you to embrace a lifetime of learning. I love working with complex systems and solving difficult problems.

Education

Highschool - Woodlands International College, Boksburg, Gauteng

2013 - 2017

- Completed highschool with an IEB distinction in IT
- Placed Second at IT PAT Showcase
- Served as a Prefect

BSc Computer Science - University of Pretoria

2018 - 2021

- **Experience in :**
 - Building websites with HTML, CSS, JS and PHP
 - Database Design and MySQL Queries
 - x86_64 Assembly, Java and C++
 - Construction and Manipulation of Data Structures
 - Discrete Mathematics and Statistics
- **Worked on a Formula 1 Simulation System with 4 other students :**
 - Experience in communicating complex ideas
 - Using Design Patterns to express and implement functions of the system
 - Had to consider and help orient other members towards a unified system
 - Ultimately Scored 90% in the project

Personal Information

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Languages

English

Native

Hobbies and Interests

- Rubik's Cube Speedsolving
- Cooking
- Gym / Walking

Education

- **Presented a Computer Training Workshop as part of Community Engagement Module**
 - Took place over 1 week with 1 partner and 20 members of the Mamelodi Community
 - Covered topics like MS Word and Excel skills, finding information online, and PC troubleshooting
 - Produced own learning resources such as presentation slides and activities.