

TSHEPISO MAKELANA

PROFILE

2nd year Computer Science student at the University of Pretoria with a strong academic record and commitment to helping peers succeed. Proficient in C++ and Java, specializing in object-oriented programming, data structures, and memory management. Known for being a reliable resource for programming help and study support.

PROFESSIONAL EXPERIENCE

TUKS, JCP Module - Teaching Computer Literacy

Mamelodi, Pretoria

09/2024 - 09/2024

- Self-motivated, with a strong sense of personal responsibility.
- Excellent communication skills, both verbal and written.
- Skilled at working independently and collaboratively in a team environment.
- Demonstrated respect, friendliness and willingness to help wherever needed.
- Taught people of all ages 16-15 the basics of how computers, how to navigate the computer and different components of a computer and how to use it.
- Taught people how to use software like Microsoft Word, Excel and PowerPoint

QUALIFICATIONS AND SKILLS

Well-Rounded Foundation, Strong performance across mathematics, statistics, and core CS modules, C++, Java, Object-Oriented Programming (Inheritance, Polymorphism, Encapsulation), Data Structures and Algorithms, Memory Management, Database Systems, Operating Systems Concepts. Informal Peer Tutoring, Technical Mentoring. Experience breaking down complex concepts for fellow students, Patient Teaching Approach, Focus on understanding 'why' rather than just providing answers.

Problem-Solving:

Systematic approach to debugging and error resolution

Communication: Ability to explain complex technical concepts clearly

Empathy: Understanding of student challenges and learning difficulties

Reliability: Consistent academic performance and peer support

- C++ programming
- Java programming
- Database System
- C++ competency recognized by Hackerrank
- Strong grasp of memory optimization and error resolution
- Solid grasp of operating system principles

Tzaneen, LP 0870

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GITHUB, LINKEDIN, PORTFOLIO

- <https://github.com/CodeMakelana>
- www.linkedin.com/in/tshepiso-makelana-622866239
- <https://codemakelana.github.io/Personal-Portfolio/>

QUALIFICATIONS AND SKILLS

- C++ programming
- Java programming
- Database System
- C++ competency recognized by Hackerrank
<https://www.hackerrank.com/profile/makelanatshepiso1>
- Strong grasp of memory optimization and error resolution
- Solid grasp of operating system principles
- Analytical problem-solving

EDUCATION

Expected in 04/2026

University Of Pretoria

Gauteng, Hatfield Pretoria

Bachelor of Science: Computer Science

- Recipient of FLY@UP award, for my results 2023
- Member of Blue Crane Space, 2023 to 2025 (current)
- 60% Minimum Average

Key Modules Completed:

- COS132 - 81% (Distinction)
- COS110 - 60%
- COS122 - 69%
- COS212 - 64%

- COS216 - 61%
- COS221 - 62%
- COS210 - 72%

01/2023

DZJ Mtebule High School

LP, Tzaneen Nkowankowa

National Senior Certificate

Core Subjects:

Mathematics –92%

Physical Sciences –78%

Geography –88%

English –78%

Life Sciences –83%

- 81.71% Minimum Average
- 3.27 GPA