Willem Harmse
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Education

Hoërskool Schoonspruit, Klerksdorp, North West
Attended: 2017-2021

North West University, Potchefstroom, North West
Bachelor of Science, Information Technology
Expected Graduation: February 2025

Academic Projects

Encryption Project
The project was about researching encryption algorithms and using our knowledge to create our own encryption algorithm. We had to create an application that uses our algorithm to encrypt and decrypt files. I was the group leader and helped with the development and documentation.

- Technologies used: Java.

- Outcome: We had success and received 100% on the project. The encryption and decryption were hard to master but our team worked tirelessly to master it.

Full system for a company
The project required the creation of a scenario of our own for which we had to develop a system which they could use. It required working with many different technologies to create. I was the group leader of the team.

- Technologies used: C#, SQL Server, SQL.

- Outcome: We received 77% on our project we made some mistakes which I personally learned from and improved upon.

Extracurricular Activities

Chess Club
Role: *Member*
Responsibilities: Participated in weekly meetings and tournaments, improved strategic thinking and problem-solving skills.

Student Government
Role: *Position Held*
Responsibilities: Represented student body, helped organize school events and activities, collaborated with school administration to address student concerns.

Skills

Technical Skills:

- **C++**
- **C#**
- **Delphi**
- **Python**
- **Java**
- **HTML with CSS and JavaScript**
- **SQL**

Soft Skills:

- **Teamwork: My time in university has taught me a lot of working in a team as we regularly had group assignments which we had to complete.**
- **Problem-solving: I have great problem-solving abilities, as I do not panic once something does not proceed as I expected it to.**

Achievements

Golden Key Honour Society
It is an honour society which invites students to join them if the student is in the top 15% of the degree group. I received this invitation to join and joined in April of 2023.

Clothes of Honour
It is a blazer which is awarded to a student in high school that has for 4 years earned an average of 80% and more. The date I received the clothes of honour was in February 2020.