

**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.