HEIN C. DU PLESSIS

About Me

I am an ambitious, driven and hardworking man. I am passionate about software engineering and cyber security and I strive to complete every project with excellence and perfection. I love a challenge and thrive when facing a complex problem. I draw motivation and drive from client satisfaction and product efficiency.

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LANGUAGE

- ENGLISH (Fluent)
- AFRIKAANS (Fluent)

PROFESSIONAL SKILLS

Programming 90%
(C++, C, Python, Java, JavaScript, CSS, HTML, AZURE, SQL

Database administration and manipulation (DBMS) 85%

System development methods and leadership 87%

PERSONAL SKILLS

- Problem Solving
- Critical Thinker
- Ambitious
- Leadership

WORK EXPERIENCE

2024: while still completing my final year BSc. in information technology i was appointed as lecturer's assistant for four modules namely: CMPG 211(JAVA), CMPG 213(SOFTWARE DESIGN), CMPG 221(ADVANCED ALGORITHMS) and CMPG 223(SOFTWARE ENGINEERING)

ACADEMICS AND EXPEIRENCE

NWU - NORTH WEST UNIVERSITY
2022 - 2024
Final year Bachelors of Science in Information Technology student. I aim to obtain this degree November 2024.
2024: During my first semester I was able to obtain an overall honorary distinction.

- **PROJECTS**
   2023 : I designed, created, debugged, and implemented a complete and working RSA encryption from scratch as well as an encryption of my own design. both theses encryptions where able to encrypt and decrypt any file. I obtained 95%
   2023 : I took part in a systems development group where we designed, created, and implemented a complete hotel operating system and obtained 91.43%.
   2024: I was the group leader as well as the lead programmer and designer for our final year software engineering project where we obtained 100%
   These projects show my ability to work vigorously and complete each assignment with perfection and efficiency .

- **CORE MODULES**
   - OBJECT ORIENTED PROGRAMMING
   - APPS AND ADVANCED USER INTERFACE
   - SYSTEM ANALYSIS AND DESIGN I & II
   - INFORMATION SECURITY
   - DATA STRUCTURES AND ALGORITHMS
   - DATA ANALYTICS II
   - COMPUTER NETWORKS
   - ARTIFICIAL INTELLIGENCE
   - DATABASES & ADVANCED DATABASES
   - DECISION SUPPORT SYSTEMS I & II
   - OPERATING SYSTEMS
   - IT DEVELOPMENTS

EDUCATION

NWU - North West University
Bachelor of Science in Information Technology
2022 - 2024

HSB - High School Brits
NSC - National Senior Certificate
SUBJECTS :
- Physics
- Chemistry
- Information technology (IT)
- Computer Association Technology
- Mathematics
- English (Language)
- Afrikaans (Language)