

Education

University of Cape Town		
2019 – 2022	B.S. with Distinction in Computer Science, Distinction in Philosophy, & Distinction Overall	GPA: 74.63
2023 – 2023	BS.c (Hons) with Distinction in Computer Science	GPA: 81.25
2024 – x	MSc in Computer Science	
2024 - 2024	Research stay at Technische Universität Dresden, School of Embedded Composite Artificial Intelligence (SECAI)	

Teaching

Computer Science Lecturer <i>University of Cape Town</i>	2024
Teaching Assistant for CSC3022F C++ & Machine Learning <i>University of Cape Town</i>	2024
Teaching Assistant for CSC4026Z Network & Internet Security <i>University of Cape Town</i>	2024
Computer Science Tutor <i>University of Cape Town</i>	2021 - 2023

Publications

2024	Carr, L. and Chavula, J., 2024, July. Deep Learning Classification for Encrypted Botnet Traffic: Optimising Model Performance and Resource Utilisation. In Annual Conference of South African Institute of Computer Scientists and Information Technologists (pp. 3-29). Cham: Springer Nature Switzerland.
	Carr, L., Leisegang, N., Meyer, T. and Rudolph, S., 2024, November. Non-monotonic Extensions to Formal Concept Analysis via Object Preferences. In Southern African Conference for Artificial Intelligence Research (pp. 476-492). Cham: Springer Nature Switzerland.

Skills

Languages: C++, Java, Python, Haskell, SQL, HTML, CSS, JavaScript
Technologies: Keras, PyTorch, TensorFlow, Git, TCP/IP Stack

Awards & Funding

2024	Exness Scholarship South Africa
2023	Class Medal CSC4026Z Network Security
2023	Merit-Based Scholarship - University of Cape Town
2022	Certificate of Excellence for CSC3002S - University of Cape Town
2019	Deans Merit List - University of Cape Town