Lucas Carr

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Department of Computer Science,
University of Cape Town
Cape Town, South Africa

Education

University of Cape Town

Bachelor of Computer Science & Philosophy	2019 – 2022
• *with distinction in Computer Science, distinction in Philosophy, and distinction overall*	GPA. 74.63

Bachelor of Science (Hons) in Computer Science	2023 – 2024
• *with distinction*	GPA. 81.25
• *Topic: Deep Learning Classification for Encrypted Botnet Traffic*	

Master of Science in Computer Science	2024 – present
• *Topic: Investigating non-monotonic reasoning in Formal Concept Analysis*	

Teaching

University of Cape Town

• Introduction to programming (Lecturer)	2024, 25
• C++ and Machine Learning (Teaching Assistant)	2024
• Network and Internet Security (Teaching Assistant)	2024, 25

Awards

Scholarships

• Exness Postgraduate Scholarship	2024, 25
• Merit-based scholarship for University of Cape Town	2023

Other

• Class medal for CSC4026Z: Network and Internet Security	2024

Publications

2024

- Carr, L. and Chavula, J., 2024. Deep Learning Classification for Encrypted Botnet Traffic: Optimising Model Performance and Resource Utilisation. Communications in Computer and Information Science, 2159.

- 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.

Research Stays

Technische Universität Dresden   2024 (4 months)
Topic: Non-monotonic reasoning in Formal Concept Analysis

Last Updated in Mar 22, 2025