

Lucas Carr

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Department of Computer Science,
University of Helsinki
Helsinki, Finland

Education

University of Helsinki

Doctor of Philosophy in Computer Science 2026 – present

University of Cape Town

Master of Science in Computer Science 2024 – 2025

Bachelor of Science (Hons) in Computer Science (distinction) 2023 – 2024

Bachelor of Computer Science & Philosophy (distinction) 2019 – 2022

Research Stays

Technische Universität Dresden 2025 (3 months)

Technische Universität Dresden 2024 (4 months)

Teaching

University of Cape Town

• Introduction to programming (Lecturer) 2024, 25

• Network and Internet Security (Teaching Assistant) 2024, 25

• C++ and Machine Learning (Teaching Assistant) 2024

Awards

Scholarships

• National Research Foundation Postgraduate Scholarship 2025

• 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

2025

• Carr, L., Leisegang, N., Meyer, T. and Obiedkov, S., 2025, September. Rational Inference in Formal Concept Analysis. In International Joint Conference on Conceptual Knowledge Structures (pp. 325-341). Cham: Springer Nature Switzerland.

2024

• 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.

• Carr L, Chavula J. 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 2024 Jul 8 (pp. 3-29). Cham: Springer Nature Switzerland.

Last Updated in September, 2025