

# Lucas Carr

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

## Education

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### University of Cape Town

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|---|----------------|
| Bachelor of Computer Science & Philosophy   | 2019 – 2022    |
| • <i>with distinction in Computer Science, distinction in Philosophy, and distinction overall</i> | GPA. 74.63     |
| Bachelor of Science (Hons) in Computer Science  | 2023 – 2024    |
| • <i>with distinction</i>   | GPA. 81.25     |
| • <i>Topic: Deep Learning Classification for Encrypted Botnet Traffic</i>                         |                |
| Master of Science in Computer Science   | 2024 – present |
| • <i>Topic: Investigating non-monotonic reasoning in Formal Concept Analysis</i>                  |                |

## Teaching

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### University of Cape Town

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

## Awards

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### Scholarships

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

### Other

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| • Class medal for CSC4026Z: Network and Internet Security | 2024 |
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## Publications

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### 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

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### Technische Universität Dresden

2024 (4 months)

Topic: Non-monotonic reasoning in Formal Concept Analysis

Last Updated in Mar 22, 2025