

Marcel Dunaiski

****@sun.ac.za

Abbr. CV

Qualifications

- 2015–2018 **PhD in Computer Science**, *Faculty of Science, Stellenbosch University*,
Ranking Scholarly Entities Across Academic Domains Fairly.
Supervisors: Prof. W. Visser and Prof. J. Geldenhuys.
- 2012–2014 **MSc in Computer Science with Cum Laude**, *Stellenbosch University*,
Analysing Ranking Algorithms and Publication Trends on Scholarly Citation Networks.
Supervisors: Prof. W. Visser and Prof. J. Geldenhuys.
- 2011–2012 **BSc (Honours) in Computer Science with Cum Laude**, *Stellenbosch University*,
Project: Aspects of Designing a Small-Scale Search Engine for Academic Publications.
Supervisor: Prof. W. Visser.
- 2008–2010 **BSc in Computer Science**, *Stellenbosch University*.
Graduated in Computer Science and Operations Research

Career Profile

LinkedIn: <https://www.linkedin.com/in/marceldunaiski>

- Since Feb '21 **Lecturer in Computer Science**, *Department of Mathematical Sciences, Stellenbosch University.*
- Feb '21 – Jan '23 **Researcher**, *School for Data Science and Computational Thinking, Stellenbosch University.*
- Sep '19 – Dec '20 **Postdoc**, *Centre for Research on Evaluation, Science and Technology, Stellenbosch University.*
- Aug '19 – Sep '20 **Project Lead**, *Solar Thermal Energy Research Group, Department of Mechanical and Mechatronic Engineering, Stellenbosch University.*
- Feb – Jul '19 **Project Engineer**, *Solar Thermal Energy Research Group, Faculty of Mechanical and Mechatronic Engineering, Stellenbosch University.*
- Jan – Mar '19 **Consolidoc**, *Faculty of Science, Stellenbosch University.*
- 2014 **Lecturer for CapaCiti**, *Cape Peninsula University of Technology, Cape Town, South Africa.*
- 2013 **Internship at Microsoft Research**, *1 Microsoft Way, Redmond, WA, USA.*

Publications:

ORCID: 0000-0003-1957-3979
ResearchGate: www.researchgate.net/profile/Marcel_Dunaiski
Google Scholar: <https://scholar.google.co.za/citations?user=DxD4HjkAAAAJ>

Teaching and Learning:

- Teaching:
- Introduction to Computer Science and Programming (undergraduate module: 2021-2023).
 - Principles of Data Science (postgraduate module, 2022-2024).
 - Imputing missing data through multiple imputation and machine learning techniques (short course, 2022).
 - Introduction to Natural Language Processing using R (short course, 2021).
 - Know your code smells: How to write clean code (workshop, 2021).
- Supervision:
- PhD: Currently supervising 4 students.
 - Masters: Graduated 1 MSc student. Currently supervising 4 students.
 - Honours: 4x completed in 2021. 5x completed in 2022. Supervised 5x in 2023. Currently supervising 6 students.

Research:

- Research
- School for Data Science and Computation Thinking, Stellenbosch University. (2024-present).
- Fellowships:
- Centre for Research on Evaluation, Science and Technology (CREST), Stellenbosch University. (2023-present).
 - Mathematical Sciences Early Career Fellowship of the National Graduate Academy for Mathematical and Statistical Sciences (NGA(MaSS)).

Research Grants

- 2024 SU Strategic Funding for a pos-doc R300,000 (x2 years). Co-host.
- 2024 Subcommittee B funding for NRF Thuthuka Grant R85,000.
- 2023 NIH Grant for INFORM Africa Pilot Project \$30,000.
- 2023 Establishment funding R100,000.
- 2022 Mathematical Sciences Early Career Fellowship of the National Graduate Academy for Mathematical and Statistical Sciences (NGA(MaSS)).

Work and Research Experience:

- Research Experience: Information Retrieval, Natural Language Processing, Scientometrics, Informetrics, Machine Learning, Quantitative Research, Social Network Analysis, Student Supervision.
- Work Experience: Project Management, Budget Planning, Funding Application Development, Software Development, Mentoring, Team Leading, Recruitment.
- Peer-Reviews: Journal of Informetrics (JOI) **x14**; Journal of the Association for Information Science and Technology (JASIST) **x3**; Scientometrics **x13**; Journal of Universal Computer Science (J.UCS) **x4**; Conference on Empirical Methods in Natural Language Processing (EMNLP) **x4**; Journal on Data Semantics (JODS) **x1**; Natural Language Processing (NLP) **x1**; Concurrency and Computation: Practice and Experience (CCPE) **x1**; Quantitative Science Studies (QSS) **x1**; The African Journal of Information and Communication (AJIC) **x1**; SAICSIT **x3**.
- Web of Science Profile: <https://www.webofscience.com/wos/author/record/AAC-9387-2022>
- Societies and Fellowships:
- Mathematical Sciences Early Career Fellowship of the National Graduate Academy for Mathematical and Statistical Sciences (NGA(MaSS)).
 - National Institute for Theoretical and Computational Sciences (NITheCS).