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EDUCATION

2022 – present	PhD Quantum computing, Stellenbosch University (SU)
2020 – 2022	MSc Quantum computing (*cum laude*) [read here], Stellenbosch University (SU)
2019 – 2020	Hons Theoretical Physics (*cum laude*), Stellenbosch University (SU)
2016 – 2018	Bsc Theoretical Physics (*cum laude*), Stellenbosch University (SU)

EXPERIENCE

2022 – present	Research intern, IBM Research Africa

GRANTS AND RECOGNITION

2020 – 2021	Undergraduate (department of physics) top achievers, Stellenbosch University (SU)
2020 – 2022	Masters Research Grant, Council of Scientific and Industrial Research (CSIR)
2017 – 2019	Undergraduate/Honours Programme, Square Kilometer Array (SKA)
2016 – 2017	Merit Award Bursary, Stellenbosch University (SU)

PAPERS

2021 Unathi Skosana and Mark Tame "Demonstration of Shor's factoring algorithm for N = 21 on IBM quantum processors". In: *Sci Rep* (Aug 2021). DOI: 10.1038/10.1038/s41598-021-95973-w. arXiv: 2013.13855 [quant-ph]

2021 Unathi Skosana and Mark Tame "On the advantages of relative Toffoli gates". In: *Corrigenda to The Proceedings of SAIP2021, the 65th Annual Conference of the South African Institute of Physics* (April 2022). pp. 14 - 21. ISBN: 978-0-620-97693-0. Online: http://events.saip.org.za

PUBLIC SPEAKING

2022 "Introduction to Quantum Computing Workshop" South African Institute of Industrial Engineers (SAIIE). 05 October

2022 "Introduction to Quantum Computing" South African Institute Electrical Engineers (SAIEE). 30 August

2021 "On the advantages of relative phase Toffolis" South African Institute of Physics (SAIP) [view here]. 28 July

2019 "Modeling of Measurement-based Quantum Computing on IBM Q Experience Devices" Quantum Africa V conference / WitsQ Summer School [view here]. 5 Sept/10 Dec

SELECTED PROJECTS

2021 – 2022 Server/client code for controlling hyperentangled photonic light source [found here]

SERVICE

2018 – 2021 Teaching assistant for undergraduate physics 114/144 at Stellenbosch University

MISCELLANEOUS

2022 Qiskit Advocate, Qiskit

2022 IBM Certified Associate Developer, Quantum Computation using Qiskit v0.2X

2022 IBM Quantum Spring Challenge 2022, Qiskit

2022 Qiskit Advocate Mentorship Program Fall 22, Qiskit

2020 Qiskit Global Summer School, Qiskit