

UNATHI K. SKOSANA

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EDUCATION

Stellenbosch University, Western Cape, South Africa

2016-Present

- Bachelor of Science degree in theoretical physics with interests in mathematics and computer science.
- Bachelor of Science Honours degree in theoretical physics
- Currently enrolled for a master's degree in theoretical physics

PREPRINTS & PUBLICATIONS

Publications

2021-Present

- 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](https://doi.org/10.1038/s41598-021-95973-w). arXiv: [2013.13855](https://arxiv.org/abs/2013.13855) [quant-ph]

Preprints & Proceedings

2021-Present

- Unathi Skosana and Mark Tame "On the advantages of relative Toffoli gates". Submitted to SAIP2021 conference [7011.3773](#)

TALKS & POSTERS

Posters

2019-Present

- Quantum Africa V
- WitsQ Summer School
- SAIP2021

GRANTS & RECOGNITION

Grants

2017-Present

- Masters Research Grant, CSIR
- Merit Bursary, Stellenbosch University
- Recognized as a undergraduate top achiever by the physics department at Stellenbosch University
- Undergraduate Fund, SKA Undergraduate Programme

SERVICE

Teaching

2018-Present

- Teaching assistant for physics 114/144 at Stellenbosch University