

# UNATHI K. SKOSANA

BANGHOEK RD & BOSMAN ST, STELLENBOSCH, SOUTH AFRICA  
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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 with a focus on quantum computing
- Ongoing Master dissertation on quantum computing

Sovetjheza High School, Mpumalanga, South Africa 2013-15

- Emphasis on the natural sciences
- Received multiple accolades for academic achievements.

Summer schools, courses & conferences 2019-Present

- Quantum Africa V
- WitsQ Summer School
- Qiskit Camp Africa 19
- Qiskit Global Summer School 20

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## RESEARCH EXPERIENCE

Stellenbosch University, Western Cape, South Africa 2019-Present

*Undergraduate, Honours, and Masters research projects*

- Research in theoretical and experimental on quantum computing for my bachelor thesis and ongoing masters thesis.

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## AWARDS & GRANTS

Grants 2017-Present

- Masters Research Grant, CSIR
- Merit Bursary, Stellenbosch University
- Undergraduate Fund, SKA Undergraduate Programmer

Awards 2016-Present

- Recognized for academic achievements in undergraduate, Department of physics, Stellenbosch University
- 1st place poster presentation, WitsQ summer school, Wits University
- Member, Golden Key International Honor Society

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## SKILLS

**Software:** GNU/Linux, Latex, Vim, Git

**Machine Languages:** Python, C, Bash, Go, Javascript

**Human Languages:** IsiNdebele (mother tongue), English and a student of Japanese.

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## COURSEWORK

*Selected coursework*

- Quantum Physics (4 courses)
- Electromagnetism (4 courses)
- Computational Physics (3 courses)
- Special relativity (2 courses)
- Statistical Physics (3 courses)
- Real/Complex Analysis (3 courses)
- Probability and Statistics (2 course)
- Applied Mathematics (2 courses)
- Computer Science (3 courses)