



KAMRYN NORTON

MECHATRONICS ENGINEERING GRADUATE

Focused, adventurous, resilient, open minded with an elevated sense of commitment to the welfare of others. I am a warm and highly accomplished engineering student who has received accolades and recognition for all of these characteristics.

With a particular passion for innovation and learning in all spheres of life, I apply my natural curiosity and sense of adventure in all that I do - always seeking new challenges and unusual experiences.

CONTACT & MEDIA

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PERSONAL SKILLS

Familiarity with Python, MATLAB, C, C++, Structured Text, and Java coding
Computer proficiency
Project Management
Problem solving
Leadership
Professionalism
Organisation
Effective time management
Teamwork
Ability to work under pressure
Communication
Self-motivation

CHARACTERISTICS

Diplomacy
Tenacity and resilience
Adaptability
Quick to learn
Reliability
Creativity

HOBBIES & PASSIONS

Travelling
Running & fitness
Hiking
Swimming
Mountain biking
Puzzles & problem solving
Sudoku
Reading
Tennis
Music & Cello

SOCIAL RESPONSIBILITY

Total service hours: 110
2015: 41 hours
2016: 25 hours
2017: 20 hours
2018-2019: 24 hours

WORK EXPERIENCE

INTERNSHIPS

Innovation4life | 1 Feb - 5 Mar 2021

- Techno-economic analysis of a biomedical device
- Design work and functional specification analyses
- Reporting and documentation

Industrial Data Xchange (IDX) | 17 Jan - 4 Feb 2022

- PROFINET, Smartsheet Business Automation, Training Development
Board Construction & Electronic wiring

Industrial Data Xchange (IDX) | 16 Jan - 25 Jan 2023

- Embedded systems and C++ coding

hyperTunnel (UK) | 20 Jun - 19 Jul 2023

- Beckhoff PLC Programming (Structured Text)
- PID Control and System Identification
- Formed part of the Control and Automation Team
- Electronic wiring, reporting and documentation, Ethernet/EtherCAT

TUTORING

Online & Personal Tutoring | Aug 2020 - Present

- Maths, Physics, AP Maths and Biology

Tutor at UCT for a 1st year Circuit Design course | May - Jun 2021 and 2022

Tutor at UCT for a 3rd year Design course | 20 Feb 2023 - June 2023

Tutor at UCT for a 3rd year Controls course | June 2023 - October 2023

EDUCATION

BSC(ENG) IN MECHATRONICS ENGINEERING (HONS EQUIVALENT)

University of Cape Town | Feb 2020 - Nov 2023

HIGH SCHOOL

St Stithians Girls' College (JHB) | Jan 2015 - Nov 2019

EXTRA-CURRICULAR ACTIVITIES

MECHATRONICS CLASS REPRESENTATIVE

University of Cape Town | 2022 & 2023 Academic Years

RUNNING AND FITNESS TRAINING: HALF MARATHONS

Carbon Endurance by John Middlewick | Dec 2017 - Jan 2023

Personal capacity | Ongoing

UNIVERSITY OF CAPE TOWN MOUNTAIN & SKI CLUB (UCTMSC)

Cape Town | 2020

SAT SCORES

Total score: 1480/1600
Maths: 800/800
English & reading: 680/800

LANGUAGES

English
isiZulu (conversational)

EXTERNAL COURSES

WORKSHOP ON NATURAL AND ARTIFICIAL INTELLIGENCE
MIT-ISASA | St John's College | 7-11 Jan 2019

PYTHON FOR DATA SCIENCE AND MACHINE LEARNING
Udemy | In progress

CANOPEN PROTOCOL
Industrial Data Xchange (IDX) | 27 Jan 2022

PROFINET ENGINEER
Industrial Data Xchange (IDX) | 2-4 Feb 2022

AWARDS

LINDSAY BENNET AWARD St Stithians Girls' College 2019	DUKE OF EDINBURGH AWARD Bronze level 2016 - 2017
SUMMA CUM LAUDE St Stithians Girls' College Matric 2019	ACADEMIC HONOURS St Stithians Girls' College 2018 & 2019

TOP 1% IN SA FOR MATHEMATICS
IEB COMMENDABLE ACHIEVEMENT CERTIFICATE (TOP 5% OF STUDENTS IN SA)
St Stithians Girls' College | Matric 2019

NOTEWORTHY ACHIEVEMENTS

DEAN'S MERIT LIST
University of Cape Town | Two consecutive academic years: 2021 and 2022

WOMEN IN ENGINEERING SCHOLARSHIP
University of Cape Town | 2020

SELECTED FOR ROUND SQUARE INTERNATIONAL EXCHANGE PROGRAMME
Transylvania College, Romania | Oct - Dec 2017

MEMBER OF THE SOCRATIC CLUB
St Stithians Girls' College | 2019

RANKED 1ST IN SOUTH AFRICA IN AGE GROUP AND CATEGORY (20.9KM)
Wings for Life Wold Run | May 2018

RANKED 3RD IN SOUTH AFRICA IN AGE GROUP AND CATEGORY (23KM)
Wings for Life Wold Run | May 2019

CROSS COUNTRY CAPTAIN
St Stithians Girls' College | 2018 & 2019

REFERENCES

DR SALLY JAMES
Head of St Stithians Girls' College | 2017 - Present
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DAVID BEAN
Industrial Data Xchange
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