

CONTACT

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EDUCATION

2015 - 2016 HILTON COLLEGE

Cultural Colours (Saxophone & Art)

2017-2019 BISHOPS DIOCESAN COLLEGE

- Achieved 5 distinctions
- Final Aggregate: 83.14%
- 1st XV Rugby

2020 - 2024 UNIVERSITY OF CAPE TOWN

• Cumulative GPA: 73.52%

SOFT SKILLS

- Problem Solving
- Attention to detail
- Teamwork
- Adaptability
- Leadership
- Effective Communication
- Critical Thinking
- Confidence

TECHNICAL SKILLS

- AutoCAD, KiCad, JetBrains
- Python, Java, C
- MATLAB, FEKO
- Raspberry Pi, Arduino, STM32 Discovery
- Microsoft Office

CAIDE SPRIESTERSBACH

ELECTRICAL & COMPUTER ENGINEER

PROFILE

I am a motivated engineering graduate with a strong foundation in problemsolving, collaboration, and technical expertise. My academic journey honed my skills in mathematics and engineering design, while my professional experiences have equipped me to tackle complex challenges with efficiency. Beyond engineering, I am committed to sustainability and environmental conservation, consistently seeking opportunities to make a positive impact.

WORK EXPERIENCE

Student Volunteer

8-12 December 2024

IEEE Global Communications Conference

- Assisted with event coordination and supporting conference sessions.
- Engaged in discussions and gained insights on cutting-edge topics.
- Interacted with industry professionals
- Enhanced my understanding of the telecommunications field and deepened my passion for the space.

Engineer in Training

November 2023 - December 2023

Bushveld Energy

- Designed and optimised a 200MW solar PV + Battery Energy Storage System (BESS) for the Vametco Mine, incorporating tracking solar panels for enhanced energy capture.
- Conducted research on Vanadium Redox Flow Batteries (VRFB) and utilised tools like AutoCAD, HOMER, PVCad, and PVSyst for project mapping, economic analysis, and layout design.
- Integrated BESS for resilient power supply and evaluated financial viability to ensure sustainable energy solutions.

Training Program Participant

16 November 2022 - 29 November 2022

Cape Peninsula University of Technology

- Participated in a comprehensive training program at CPUT.
- Technology exposure included: Welding, Turning, CNC Programming, Metrology, Pneumatics, Basic Hand Skills, and Robotics.
- Received a Testimonial Certificate upon completion.

KEY ACHIEVEMENTS

- Awarded a distinction (81%) for final-year engineering project on microwave-assisted plastic pyrolysis for hydrogen production.
- Volunteered at IEEE Global Communications Conference 2024, contributing to its successful execution.
- Achieved a 80.33% aggregate in my final year.