



ROWYN EMILIO NAIDOO

Convocation Executive
Committee Application

RESUME OBJECTIVE

I wish to apply to be a member of the Convocation Executive Committee. As a strategy consultant, UCT alum and student with a wide range of university leadership experience, I believe that I am well suited to contribute to the committee. Recognising where my passion and strengths lie, I hope to leverage my abilities and experience to continue to add value to UCT and its students.

EDUCATION

TERTIARY

University of Cape Town – M.Sc. Astronomy

(In progress)

University of Cape Town – B.Sc. Eng. – Electrical

2017 – 2021

HIGH SCHOOL

Palmview Secondary School — Grades 8-12

- Dux Award – 8 distinctions
- Provincial Level Debater (4 years)

PROJECTS

SMART UV-C SANITISER

Innovated an affordable, smart short-wavelength ultraviolet-C (UVC) light system that disinfects surfaces and the air. The project had received national and international recognition. [Link here](#)

CONTEGO PROTEGO

Developed a panic button security solution for university spaces working on an IoT GPS system with hardware and software components. The project had been selected by the UCT Graduate School of Business in the Solution Space Venture Exploitation Programme with MTN. [Link here.](#)

ENHLE BEAUTY PLATFORM

As project manager of Enactus UCT I oversaw the development of Enhle, a booking platform for student entrepreneurs within their respective campuses for beauty services. This won the Ideation Challenge in the Enactus National Competition 2019.

SUSTAINABLE VERTICAL FARMING

I researched out of my field and innovated a design for sustainable vertical farming which was selected as one of twenty winners, out of 838 proposals from universities around the world, for the Schmidt Futures Reimagine Challenge by previous Google CEO, Eric Schmidt. The proposal has also been published in an online anthology and was the runner up in the ByAfrica COVID-19 Afro-Solution Competition - sustainable engineering category. [Link here](#)

NATURE BASED TREATMENT OF STORMWATER

I collaborated with Dr Kevin Winter from the UCT EGS department on a project to mimic nature to clean contaminated surface water runoff from an informal settlement and to reuse this water as a liquid fertilizer for the safe irrigation of edible crops. The design using a biomimicry approach was selected as the winner of the National BiomimicrySA and Water Research Commission Design Competition. An article was published by the Danish Development Research Network around the multidisciplinary collaboration of the project. [Link here](#)

AWARDS

Global Schmidt Futures Reimagine Challenge Winner	2021
UCT Student Leadership Awards	2020, 2021
2nd Place - By Africa Network COVID-19 Sustainable Engineering Competition	2020
National BiomimicrySA Design Competition Winner	2020
Masakh 'iSizwe Bursary Recipient	2019
UCT Biomimicry Society Design Competition Winner	2018
Most Outstanding Team in Residence Life – UCT Student Leadership Awards (Head Student)	2018
UCT Plus Gold Award	2018
Club Administration Award (Secretary General - Tai Chi) – UCT Sports Awards	2018

WORK EXPERIENCE

Associate – Strategy Consulting (Energy Transition) – PwC Strategy&	Jan 2022 - present
Vacation Work – Zutari Engineering and Advisory	July 2021
Residence Life Assistant at UCT Department of Student Affairs-Residence Life Division	Jan 2020 – Dec 2021
Unit Co-Ordinator (Sub-Warden) at My Domain Student Living UCT	Jan 2019 – Nov 2019
Research Assistant at Future Water Institute UCT	July 2018

CONFERENCES AND SYMPOSIUMS

OSUN Get Engaged Get Engaged Student Action and Youth Leadership Conference (Budapest)	2023
Green Energy Africa Summit – VIP Delegate	2022
RADC Webinar Series – The Journey to Success: A Testimony from a UCT Student (Speaker)	2021
Lead as a Global Citizen World Series Webinar Youth Speaker – Advocacy Series	2021
Delegate at the 2nd Peace Summit of Emerging Leaders at the United Nations (Thailand)	2020
Presenter at the UCT Teaching and Learning Conference	2019

LEADERSHIP

PwC Societal Purpose Ambassador - SDG 7 team lead for the South Market Area	2022 – present
PwC Purpose Led Growth team – Energy focus group pilot	2022 - present
Talloires Network of Engaged Universities Steering Committee	2021 - 2022
UCT Biomimicry Society Chairperson	2019 - 2020
UCT University Residences Committee	2019
Mentor – Student Leadership Programme	2019
My Domain UCT Head Student	2018
Mentor – Student Leadership Programme	2018 - 2019
UCT Tai Chi Club Treasurer	2018

COMMUNITY ENGAGEMENTS

- PwC Youth Engaged Programme Mentor
- Humanitarian Affairs Peace Ambassador
- Sustainable vertical farming project for informal settlements
- Enactus projects (water tanks, Enhle)
- Organised clothing drive with U-Turn - [Link here](#)