

YASEEN KAJEE

PERSONAL INFORMATION

DOB South African, 18 September 1983
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WORK EXPERIENCE

2011–2016 Project Engineer,
DEME Dredging, Environmental, and Marine Engineering
DEME Planning, optimising, follow-up, and reporting of the works with the vessels and site management. Co-ordination of site and vessel supplies, operations and reporting.

2005–2010 Engineering Tutor, UNIVERSITY OF CAPE TOWN
UCT Worked part-time as a tutor for Engineering Drawings, Engineering Mathematics and AutoCAD courses, while completing BSc and MSc degrees.

2006 Engineer in Training, CAE Cape Advanced
Engineering
CAE After completing my BSc degree, I worked in this design engineering company for 6 months in an entry level position. Work involved prototype design, CAD modelling and plant production line optimization, amongst others.

2002–2005 Engineer student trainee, Baltimore Aircoil
Company, Metric Engineering, M & N Engineering
various During completion of my BSc degree, I worked for 6 weeks in each of these companies, to gain experience and insight into the working environment.

EDUCATION

2002–2006 The University of Cape Town, South Africa
Bachelor of Mechanical Engineering Description: Mechanical Engineering Honours degree completed with GPA of 64.3 %. Completion of individual and group design projects in final year of studies. Finished as top student for final year university course, Power Plant-MEC436C (2005)

2007–2010 The University of Cape Town, South Africa
Master of Engineering Thesis: *The Biomechanics of the human tongue*
Description: This thesis deals with the development of a finite element (FE) model of the human tongue for studies of obstructive sleep apnoea syndrome(OSAS)

Research: The aim of this work is to report on the construction of a geometric and constitutive model of the human tongue and to demonstrate its use in computational simulations for obstructive sleep apnoea syndrome research.
Advisors: Prof. DAYA REDDY & Dr. JEAN-PAUL V. PELTERET

RESEARCH INTERESTS

In general, my interests include engineering design, innovation and technology. More specifically, they include space sciences (e.g. Square Kilometer Array, SUNsat, SANAP/ SANAE), renewable energy, biomechanics, and structural mechanics (including Finite Element Analysis).

SKILLS

<i>Basic</i>	C++
<i>Intermediate</i>	FORTRAN, MATLAB, Solidworks
<i>Advanced</i>	L ^A T _E X, OpenOffice, Linux, Microsoft Windows, Microsoft Office, Pro-Engineer, AutoCAD, BricsCAD, Abaqus

OTHER INFORMATION

<i>Corporate training from DEME:</i>	Project Management, Dredging technical courses, Quality, Health, Safety, Environmental, and Security (QHSES), Business Contracts, Belgian professional building certification, Dredging vessel simulation (piloting and active dredging operations), STCW 95
<i>Achievements:</i>	Masters student prize for best journal paper, awarded by SACAM10 committee (South African Computational and Applied Mathematics). I have a paper published in the "International Journal for numerical methods in biomedical engineering".
<i>Languages</i>	ENGLISH · First language AFRIKAANS Intermediate (conversationally fluent) SPANISH · Basic (simple speaking and reading)
<i>References</i>	ANNA MARIA FERNANDEZ GONZALEZ +34 681 382 491 · afg@carenacm.com DANNY VAN DE KERKHOF +32 496 733 712 · van.de.kerkhof.danny@deme-group.com PROF. BATMANATHAN DAYA REDDY +27 21 650 3787 · daya.reddy@uct.ac.za

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