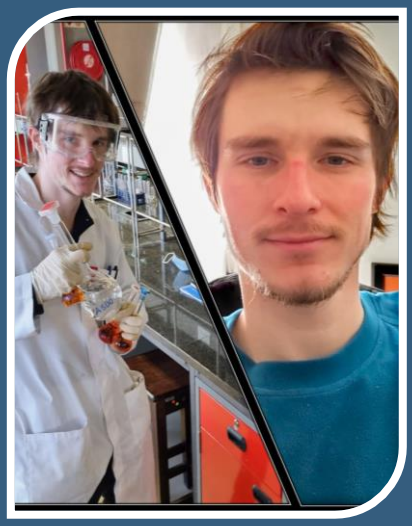
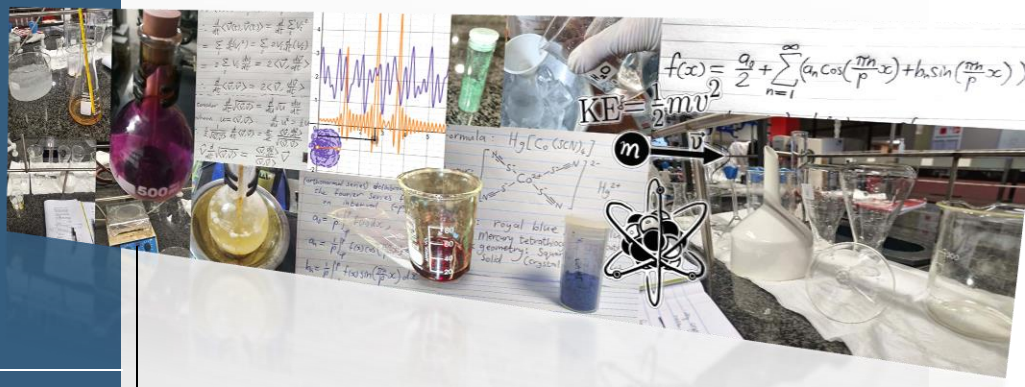


CV

V.R. Kildaire



Name	Vaughan Royce Kildaire
Address	44 Drommedaris Crescent, Van Riebeeck Park, Worcester, 6850, South Africa.
Phone	**cell phone:** (+27)72 954 3891 **Landline(home):** 0233474873
Email	**Work:** v.r.kildairework@gmail.com **Personal:** mcvaughan.kildaire@gmail.com **Tutoring enquires:** lola.nervs@gmail.com
Date of Birth	18 – Jun (6) – 1995
Nationality	South African, Portuguese
Citizenship(s)	Portugal | República Portuguesa, South Africa | Republic of South Africa (RSA).
Website	https://vaughankildaire.github.io/
Religion	Roman Catholic (Will not work on Christmas, Easter or Sundays. Non-Negotiable)

Education

Highschool:
Bridge House.

BSC Degree in Physics and Chemistry:
UNISA. **(Final Year 2024*)**

Degree in Animation:
Atlantic International University.

Skills & Experience

Educator:
Tutoring in math, physics and chemistry.

Programing:
Python and C++ experience and study for personal, academic, and other applied usage projects.

Arts:
3D Animation. Minor experience in Voice acting. Instruments; guitar and bass. Painting; oil on canvas and digital (photoshop).

Lab Assistant:
Capable lab assistant for setting up apparatus and glassware, titration, A/B extraction etc.
Familiar with the general chemistry laboratory environment.

Experience

Tutoring

I have worked as a private and part time employed tutor since 2020. If I could, I would Teach at a formal institute, as I really enjoy teaching as much as I enjoy learning.
Subjects include: University; mathematics, physics and chemistry, and Highschool; mathematics and physical science (physics, chemistry, etc.)
This includes letters of reference from past clients.

lab work

I must state clearly that as of now (2024) ~~*I do not have lab experience from employment*~~. Experience acquired through self-employment in saponification, nitrating, synthesis of aspirin and extraction of caffeine from tea. However, **I Do Have Laboratory experience** from practical work in my studies, as well as working on my own chemistry projects with my own apparatus and reagents (limited that may be).
In order to gain experience, you need employment, but in order to get employment you need experience. Although I am confident that my ability speaks for itself.

Education

Feb. 2023 – present (16/7/2024)

In Fourth (Final) Year of my **second undergrad**, Degree Physics and Chemistry (98801), UNISA (*final year of degree) **Graduating THIS YEAR**.
Experienced in python programing language and applied applications, both from training and self-project research; Extraction of caffeine, extraction of crystallization of iodine, synthesis of pharmaceutical complex, many inorganic cobalt complexes, soap, and so on (many).

Jul. 2020 – Jan. 2021

Enrollment **Bachelor of Science Degree in Physics and Chemistry** (98801), UNISA.
Tutor at Teach me 2, as well as **Privat tutor**.
Personal chemistry projects (e.g., synthesis of nitrocellulose, ammonium nitrate crystallization, Chen-Kao organic complex)

Apr. 2019 – Jul. 2020

Amended matric, physical science and mathematics.
Personal chemistry projects (e.g., synthesis of soap, TATP and nitric acid)

Sep. 2017 – Apr. 2019

Degree in animation and gaming (**complete**), Atlantic International University
(Credits transferred from 2 years of Animation Diploma).
Self-Study in math and C++ programming for game development.

Oct. 2016 – Sep. 2017

Self-Study in math and C++ programming for game development.

Nov. 2015 – Oct. 2016	Year 3 of animation (incomplete), withdrawal due to mental health issues at the time.
Dec. 2013 – Nov. 2015	Diploma Animation 2 of 3 years; The Animation School
Dec. 2013	High school matric, Bridge House. Franschhoek, 7690, South Africa

Skills

Tutoring	Tutoring in math physics and chemistry. Private in person and through employer (Teach me 2) online.
Programing and applied code	With past experience in C/C++ and Python and a relatively recent study and practical experience of programing in Python. The accumulation of scripts of small-scale coding and large-scale programs have given me enough, to confidently state that I am capable in my ability to utilize this knowledge in a way that can be effective and valuable to employers, or possibly in my own self employment endeavors in the future if need be.
Arts	Guitar, bass, and both oil and digital painting. 3D Animation. Voice acting, martial arts Karate 2nd dan black belt, and also judo (not black belt, orange/yellow only 3 years).
Lab hand	**Capable lab assistant** for setting up apparatus and glassware, titration, A/B extraction, solvent separation, filtration via pump or gravity and preparing solutions of required concentration. Cleaning glassware and preparation of strong cleaning agent (e.g., piranha solution) if need be. General knowledge of lab safety, equipment and reagents used in spills or emergencies. General knowledge of common apparatus and glassware usage. I own a small-scale personal lab, and along with my formal lab training from practical work, I am familiar with the general chemistry laboratory environment.

A あ

Languages

English	Home language (Totally fluent)
Português	good (semi fluent)

About Me

I enjoy learning, that is possibly the most prominent aspect I have. My love for teaching and explaining concepts to others is ultimately and an excellent understanding of the subjects I have studied, naturally lead me to become a tutor. I find communication with students easy as there I have learnt to adapt my mindset to the age and demographic in question, also in a social setting I enjoy conversation of a wide spectrum of topics with a variety diversity.

Odd as it may seem, I have had a rather Interesting and long path in life. From art and animation, to the decent into depression, climbing back out and changing my profession, and finally at the end of my studies (for now) in Physics and Chemistry of all things. But I am happy with the choice I have made and the path I have made for myself. Traditionally one usually has one particular field or profession in mind, however If my life was not finite, I really would have liked to have attempted to work in multiple different fields, learn about them and perfect my trade. However, from my view a large part of the world is and its inner workings are rooted in, so it is to me worth devoting my life to.

Something that I must admit is that I have a drive to be the best in my field, not in a maniacal or unhealthy fashion, just as a measure or standard to reach and if possible, surpass. I hope this honest is not to my own detriment, in what I'm trying to say is that trying ones best to be the best, can and does often lead to improvement in one's own ability.
Regardless as to whether or not one surpasses those which they admire and strive to be like, Improvement and success although not guaranteed, will often follow as a natural result. But yes, if you do better than your friend that is a bonus, the point being the effort in the process that is important.
I enjoy working with a lab partner during practical chemistry work. I found that the ability to designate and execute particular tasks that make up a greater process, doing it efficiently and effectively, is a rewarding feeling.

I love working in a **small team** (granted people are respectful), I find things move much faster with a cooperative effort, and **Helping others** is something I am naturally inclined to do.

Thank you for taking the time to read this, and hopefully it was informative at the very least.♦

Example of Academic Results

as of 16-July(7)-2024

First Year

EXAMINATION RESULTS : October/November 2021

Code	Weight	%	Result	RESULT DETAILS Pn	Pw%	YM%	YMw%	EX%	EXw%	EM%	EMw%
CHE1501	0.100	87	Passed with Distinction			92.68	20	-	-	86.00	80
CHE1502	0.100	96	Passed with Distinction			93.00	-	-	-	96.00	100
CHE1503	0.100	76	Passed with Distinction			81.00	20	-	-	75.00	80
MAT1503	0.100	93	Passed with Distinction			87.60	-	-	-	93.03	100
MAT1512	0.100	98	Passed with Distinction			95.90	-	-	-	98.00	100
PHY1503	0.100	87	Passed with Distinction			53.55	-	-	-	87.00	100
PHY1505	0.100	89	Passed with Distinction			91.60	20	-	-	88.00	80
PHY1506	0.100	90	Passed with Distinction			87.80	-	-	-	90.00	100
PLS2607	0.100	68	Passed			54.50	-	-	-	68.00	100
*******	*****	***	**********								

Second Year

EXAMINATION RESULTS : October/November 2022

Code	Weight	%	Result	RESULT DETAILS Pn	Pw%	YM%	YMw%	EX%	EXw%	EM%	EMw%
APM2611	-	***	Supplementary Examination								
CHE2611	0.066	67	Passed			61.15	20	-	-	69.00	80
CHE2613	0.066	66	Passed			86.00	20	-	-	61.00	80
CHE2621	0.033	64	Passed			50.00	20	-	-	67.00	80
CHE2623	0.033	81	Passed with Distinction			81.00	20	-	-	81.00	80
MAT1613	0.100	87	Passed with Distinction			97.20	20	-	-	84.00	80
MAT2611	0.100	83	Passed with Distinction			93.20	20	-	-	80.00	80
MAT2615	0.100	64	Passed			94.75	20	-	-	56.00	80
PHY1604	0.100	85	Passed with Distinction			98.00	30	-	-	80.00	70
PHY2601	0.100	90	Passed with Distinction			77.00	20	-	-	93.00	80
PHY2602	0.100	61	Passed			100.00	30	-	-	44.00	70
PHY2606	0.100	72	Passed			73.24	40	-	-	72.00	60
*******	*****	***	**********								

Please note that MAT2615 is an *additional* module, taken purely for enrichment, above and beyond what is required.

Third Year

Including both Required and Additional, past and present subjects

Year	Month	Code	Name of Study Unit	%	Comment	NQF level	NQF crds
2021	OCT	CHE150-1	General Chemistry IA	87	Passed with Distinction	5	12
2021	OCT	CHE150-2	General Chemistry IB	96	Passed with Distinction	5	12
2021	OCT	CHE150-3	General Chemistry I (Practical)	76	Passed with Distinction	5	12
2021	OCT	MAT150-3	Linear Algebra I	93	Passed with Distinction	5	12
2021	OCT	MAT151-2	Calculus A	98	Passed with Distinction	5	12
2021	OCT	PHY150-3	Physics Practical Work I	87	Passed with Distinction	5	12
2021	OCT	PHY150-5	Mechanics (Physics)	89	Passed with Distinction	5	12
2021	OCT	PHY150-6	Electromagnetism and Heat (Fisika)	90	Passed with Distinction	5	12
2021	OCT	PLS260-7	Philosophy of Science	68	Passed	6	12
2022	OCT	APM261-1	Differential Equations		Supplementary Examination	6	
2023	FEB	APM261-1	Differential Equations	51	Passed	6	12
2022	OCT	CHE261-1	Inorganic Chemistry II (Theory)	67	Passed	6	8
2022	OCT	CHE261-3	Organic Chemistry II (Theory)	66	Passed	6	8
2022	OCT	CHE262-1	Inorganic Chemistry II (Practical)	64	Passed	6	4
2022	OCT	CHE262-3	Organic Chemistry II (Practical)	81	Passed with Distinction	6	4
2022	OCT	MAT161-3	Calculus B	87	Passed with Distinction	6	12
2022	OCT	MAT261-1	Linear Algebra 2	83	Passed with Distinction	6	12
2022	OCT	PHY160-4	Modern Physics	85	Passed with Distinction	6	12
2022	OCT	PHY260-1	Classical Mechanics	90	Passed with Distinction	6	12
2022	OCT	PHY260-2	Electricity and Magnetism (Physics)	61	Passed	6	12
2022	OCT	PHY260-6	Waves (Physics)	72	Passed	6	12
2023	OCT	CHE261-2	Physical Chemistry II (Theory)	36	Failed	6	
2024	FEB	CHE261-2	Physical Chemistry II (Theory)	76	Passed with Distinction	6	8
2023	OCT	CHE261-4	Analytical Chemistry II (Theory)	67	Passed	6	8
2023	OCT	CHE262-2	Physical Chemistry II (Practical)	80	Passed with Distinction	6	4
2023	OCT	CHE262-4	Analytical Chemistry II (Practical)	85	Passed with Distinction	6	4
2023	OCT	CHE370-1	Inorganic Chemistry III	71	Passed	7	12
2023	OCT	CHE370-3	Organic Chemistry III	62	Passed	7	12
2023	OCT	PHY260-4	Physics Practical Work II	68	Passed	6	12
2023	OCT	PHY370-2	Quantum Physics	78	Passed with Distinction	7	12
2023	OCT	PHY370-3	Statistical and Thermal Physics	80	Passed with Distinction	7	12
2023	OCT	PHY370-7	Solid State Physics	28	Failed	7	
2024	FEB	PHY370-7	Solid State Physics	80	Passed with Distinction	7	12
2023	OCT	PHY370-8	Atomic and Nuclear Physics	84	Passed with Distinction	7	12
2023	OCT	PHY370-9	Computational Modeling	92	Passed with Distinction	7	12

Total number of NQF credits accumulated: 336
Each credit equates 10 notional hours.
The above qualification has not been completed.

Major subject(s):
CHEMISTRY
PHYSICS

Please note that PHY2604 is an *additional* model, taken purely for enrichment, above and beyond what is required

Final (Current) Year

SRSRG11H 99998 2024-03-07 13:16PM 2
Your Reference :

ACADEMIC RECORD
Student number : 1364-175-1
Name : KILDAIRE VAUGHAN ROYCE
Previous Surname :
Date of Birth : 1995-06-18
Identity Number : [redacted]
Matriculation : NSC DEGREE ADMISSION
Qualification : NON-DEGREE PURPOSES

NQF specification : Exit Level 0, Minimum Credits 0

This document is issued without alteration or erasure and includes all years of registration for the abovementioned qualification.

Year	Month	Code	Name of Study Unit	%	Comment	NQF level	NQF crds
2022	OCT	MAT261-5	Calculus in Higher Dimensions	64	Passed	6	12
The student is currently registered for the 2024 academic year for :							
		APM371-3	Special Relativity and Riemannian Geometry			6	12
		CHE370-2	Physical Chemistry III			6	12
		CHE370-4	Analytical Chemistry III			6	12
		CHE372-1	Inorganic Chemistry III (Practical)			6	3
		CHE372-2	Physical Chemistry III (Practical)			6	3
		CHE372-3	Organic Chemistry III (Practical)			6	3
		CHE372-4	Analytical Chemistry III (Practical)			6	3

Please note that MAT2615 and APM3713 are *additional* modules, taken purely for enrichment, above and beyond what is required.