

# Uzayr Sunday

Cape Town, South Africa , uzayr.sunday@gmail.com

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Nationality	South African
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LINKS	<a href="#">LinkedIn</a>
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PROFILE	<p>I am an upbeat curious individual who loves adventure. Underneath that is an ambitious hard-working person, motivated to make a difference in the world. I am in my final year of Engineering at UCT outside of this I find myself investing time into surfing, adventures, coding and reading books.</p> <p>I am an easygoing guy and make friends from all walks of life. I have a zest for life that I carry into my work.</p>
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## EMPLOYMENT HISTORY

Jan 2023 — Feb 2023	<b>Quantitative Financial Analyst , Prescient</b>	Cape Town
	<p>I completed an internship at Prescient Investment Management as a quantitative financial analyst. Using data science &amp; engineering principles to model data providing a basis for good data-driven investment decisions. I completed a project displaying the performance of a company relative to the investment decisions made. My model was built with Python (Pandas, Numpy, Matplotlib). This was an introduction to the financial world, specifically quantitative finance. My biggest takeaway was how much I need to learn if I want to be a Quant or a developer, I have been improving my software engineering principles since then independently.</p>	
Jan 2023 — Present	<b>Mentor, University of Cape Town</b>	
	<p>I worked as an engineering Mentor (2023), I was responsible for 5 first years. I hoped to help them see the bigger picture and recognise their power. Being a mentor taught me a valuable lesson that everyone has valuable input as long as you listen without judgment &amp; with skepticism.</p>	

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## EDUCATION

Jan 2021 — Nov 2024	<b>BSc Mechatronic &amp; Mechanical Engineering University of Cape Town</b>	Cape Town
	<p>I am in my final year of Mechanical &amp; Mechatronic engineering. My spine is mathematics and logic, engineering has matured my decision-making while solving big complex problems. My main focus in year 1,2 were engineering first principles and year 3,4 has been mechanical engineering design, control system design and embedded system programming. My reason for studying engineering is I enjoy building things, having relevant skills and I do not fear a challenge.</p>	

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## PROJECTS

Jan 2024 — Jun 2024	<b>Mechanical Pipe Torque Wrench</b>	Cape Town
	<p>I designed a wrench for tightening bolts on oil rigs. Given the design requirements, I created a fully operational 3D model and conducted comprehensive stress and electrical analyses, applying engineering design principles. My design and calculations were approved, meeting the established engineering standards.</p>	
Jan 2022 — Nov 2024	<b>STM32f0 Microcontroller Programming</b>	UCT
	<p>I programmed an embedded microcontroller using C/C++ for sensing and control applications. Additionally, I designed and built the electronic circuitry needed to interface with the controller. The final outcome was a robot car capable of sensing the color of a line and autonomously following it.</p>	

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## EXTRA-CURRICULAR ACTIVITIES

Jul 2023 — Present	<b>Web Developer , Freelance</b> <div>Remote</div> <p>As a developer, I assist businesses in building and enhancing their digital presence. My ambition is to become a skilled full-stack developer, and I firmly believe that consistent practice leads to mastery. Freelancing has offered me valuable opportunities to refine my skills and gain hands-on experience. While I chart my course independently, I am actively seeking mentors and guidance from experienced professionals in the tech industry to further my development.</p>
Feb 2022 — Present	<b>Consulting Club, UCT</b> <p>Enthusiastic about consulting and excited by the variety of problems across different industries.</p>
Feb 2021 — Present	<b>Engineers without Borders</b> <p>Engineers Without Borders is an outreach organization dedicated to empowering the youth of South Africa. We educate children from underprivileged backgrounds on sustainability, university preparation, and provide general advice. I am deeply passionate about contributing to the betterment of South Africa, believing that actions speak louder than words.</p>
Mar 2021 — Present	<b>Investment Society , UCT</b> <p>I am part of the UCT InvestmentSoc, I am fascinated by the forever-changing world of asset management and investments, especially in the workspace which I was exposed to after being invited to the Ninety-One "Working for a World of Change" dinner.</p>

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LANGUAGES	English	Native speaker	Xhosa	Working knowledge
	Afrikaans	Highly proficient	Spanish	Working knowledge

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## AWARDS

Jan 2016 — Dec 2020	Full academic colours , Bishops Diocesan College
Jan 2016 — Dec 2020	Full Sports colours , Bishops Diocesan College
Jan 2016 — Dec 2020	Head of Student Representative Forum
Jan 2017 — Dec 2020	Western Province Hockey
Dec 2020	Top marks for Mathematics and Physics in matric

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## HOBBIES

I am a soul surfer, I love the ocean and nature so I am on a road trip exploring some part of South Africa every chance I get. I love to read, especially Japanese philosophy, I think there is more to living a happy life than just paying your bills...but Id like to have both preferably. People make life worth living so I make sure to soak up all the moments I have with my friends and family.