Rory Schram

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SUMMARY

I am a fourth-year student pursuing a degree in Electrical and Computer Engineering at the University of Cape Town. I have a passion for small current analogue electronic circuits, computer science, embedded systems, and digital signal processing. Through my coursework and projects, I have developed strong analytical and problem-solving skills, as well as a deep understanding of the principles and techniques involved in these areas.

I am a motivated and dedicated individual and I am eager to apply my knowledge and skills to real-world projects and gain practical experience in the field. I am a quick learner and thrive in team environments, where I can collaborate with others to achieve shared goals. With my strong work ethic and commitment to excellence, I am confident that I would make a valuable addition to any organisation seeking a talented and driven engineering graduate.

WORK EXPERIENCE

Private Tutor   March 2022 - present

I am currently working as a private tutor, with two students in grade 9 and one student in grade 10. My subjects of focus are mathematics and science, however I can and have tutored all the grade 8 and 9 level subjects.

Embedded Systems 1 Tutor   Jul 2022 - Oct 2022

As a tutor for the Embedded Systems 1 course at UCT, I helped students understand the intricacies of embedded systems basics, including micro-controllers, Boolean logic, digital circuits, and algorithmic state machines, while equipping them with practical skills in microcontroller usage, timer usage, and analogue to digital converters.

Aizatron Group   Jun 2022 - Jul 2022

During my 3rd year of studies I did an internship at Aizatron. Aizatron is a vibrant and young tech company with offices in Cape Town. My time at Aizatron was heavily hardware design focused, and I got hands on with mainly embedded systems design tasks, including PCB and circuit design.

Butlers Pizza   Jun 2020 - Dec 2020

This was my first proper student job, I worked at Butlers Pizza as a delivery driver. During my stint at Butlers I learnt how to manage customers, was keen to solve any problems that occurred at the branch and was always keen to help out. I learnt a lot about how a real world business operates and I am very happy to have worked here.

EDUCATION

2020 - Present	Electrical and Computer Engineering at **UCT**	
2015 - 2019	Bishops Diocesan College	(6 As and 1 B at end of Matric)

Skills

Problem Solving	If there is one thing that studying engineering has taught me, it is to not be afraid of jumping into a problem without any knowledge of exactly how you are going to solve it. This is one of the biggest and most useful skills I have picked up from these past four years of studying.
Coding	Since my degree is very computational in nature, coding plays a big role in my everyday life. Hence, I have developed a proficiency in a few programming languages, including C, Matlab, Java, and Python.
Communication	As an individual with strong social skills and excellent communication abilities, I am adept at building positive relationships with people around me. Additionally, I have strong written skills which allows me to articulate ideas and thoughts clearly and concisely, ensuring effective communication with others.

Hobbies

Over the years I have enjoyed a couple of different hobbies. During school I was part of two rock bands, with my instrument of choice being the drum kit. I still play the drums today. I was also involved with sports at school, with my main two being rugby and water polo. I have now taken up running with the goal of doing a sub 2-hour half marathon.