

Abraham Albertus (Altus) Cilliers

3rd-Year Electrical and Electronic Engineering Student At Stellenbosch University

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I am an enthusiastic 3rd-Year Electrical and Electronic Engineering Student at Stellenbosch University looking for vacation work. I am looking to apply my theoretical and programming knowledge in a practical setting in order to gain experience with practical design projects. I enjoy the challenge of problem-solving and have experience in Circuit Design, Programming, 3D modeling, Website design, and FPV drone building/flying. I am hardworking, eager, and motivated to learn new skills.



Education

**Feb 2019-
Current**

Currently Studying: BEng Electrical & Electronic Engineering

Stellenbosch University - Stellenbosch

- Member of Golden Key International Honour Society (Top 15% in Field of Study)
- Received full scholarship from DW Ackermann Bursary Fund
- First Team Tennis for Huis Visser Men's Residence
- Tennis Representative for Huis Visser Men's Residence

**Jan 2018-
Dec 2018**

National Senior Certificate: Matric

Robertson Logos Christian School - Robertson, Western Cape

- Matriculated with A aggregate First in Class
- Received Academic Honourary Colours
- Received Sports Honourary Colours
- Member of Student Council
- Deputy Head-Boy
- Member of First Hockey Team
- Received Boland Tennis Colours



Work Experience

Designed Website for Robertson Logos Christian School (<https://robertsonlogos.co.za/>)



Skills

Circuit Design

Java & C Programming

STM32 Microcontroller Programming

Python

Arduino Coding

Website Designing

Problem Solving

3D Modelling & Design

Building FPV Drones

Leadership



Academic Projects

Designed and built an Analog Battery Management System with Integrated Python GUI for Design (E) - 344 [Github RepositoryED344](#)

Designed and built an arcade-style game console with an 8x8 Light Emitting Diode (LED) Dot Matrix as a screen for Design (E) - 314 [Github RepositoryED314](#)

Created Space Invaders Game in both C and Java for Computer Systems 245 and Computer Science (E) 214 respectively [Github RepositoryCS245](#); [Github RepositoryCS214](#)

Designed and build an Audio Amplifier for Electronics 315 [Github RepositoryE315](#)

Personal Portfolio Website (Still under development) [WebsiteLink](#)