CHRIS ESTERHUIZEN

BENG ELECTRONIC GRADUATE

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https://chrisesterhuizen.github.io/

OBJECTIVE

I an enterprising electronic engineering graduate intending to develop as a Business Intelligence Analyst/Data Analyst. I have an interest in statistics and the application thereof in the sciences and engineering throughout my education. During my tertiary studies, I developed a passion for finding data driven solutions to challenging engineering problems. In terms of results and objectives; I am a structured, pragmatic worker looking to broaden my knowledge of the data analytics industry and my knowledge of applied statistics. As a starting graduate, I have an adequate understanding of electronic engineering theory and design, testing instrumentation and programming. I have proven to be adaptable and can quickly obtain a working understanding of a variety of systems and data.

WORK EXPERIENCE

PLATFORM ENGINEERING INTERN
Polygon Research, Inc. **| Feb 2021 - Present**

- Automating the deployment of app hosting environment (i.e. infrastructure as code)
- Automating our process for monthly updates to apps, including acquiring and cleaning data
- Developing a methodology for conforming disparate entity names
- Develop monitoring and alerting for cloud infrastructure
- Develop user click analysis of most-used features in apps
- Product management guidance for predictive analytics, specifically our time series forecasting with Tangent Works

ELECTRICAL ENGINEERING INTERN
Consolidated Power Engineering (Pty) Ltd **| Dec 2018 – Dec 2019**

Vacation Work at a small, but very experienced consulting electrical engineering firm who registers roughly 120 to 160 consulting projects a year. Placement for observation was made with various acting roles in the firm including various engineers and draughting personnel with different tasks and different projects at the firm to ensure a holistic overview of the working environment in the industry as well as to observe the various phases within the life cycle of an electrical engineering project.

EDUCATION

BACHELOR OF ENGINEERING |2016 - 2020
Electronic Engineering
University of Pretoria
- *Final year project: Control Systems - Autonoumous Window Cleaning Robot*
- *Top final year control systems project for 2020*

VOLUNTEERING

IMPROVEMENT ENGINEER
Engineers Without Borders South Africa **| Apr 2017 - Sept 2017**

- Implemented a drainage system for Kutumela Molefi Farm School
- Awarded the University of Pretoria Engineers Without Borders project of the year, 2017

SKILLS/ATTRIBUTES

- Strong technical working skills
- Rigorous work ethic
- Problem solver
- Initiative taker
- Effective communicator
- Dedicated

COMPUTER SKILLS

Simulation
- SPICE
- MATLAB
- ModelSim
- STM32CubeMonitor
- Altair FEKO

Programming
- Assembly
- C
- C++
- HTML
- Java
- JSON
- Python
- LaTeX
- LTSpice
- SQL
- Verilog Hardware, Description Language (VHDL)

General
- Microsoft Office
- Computer Networking

Operating Systems
- Windows
- macOS

REFERENCES

Greg Oliven
POSITION	CTO
COMPANY	Polygon Research, Inc.
EMAIL	goliven@polygonresearch.com

Prof I.K. Craig
POSITION	Professor and Group Head: Control Systems
EMPLOYER	Department of Electrical, Electronic and Computer Engineering University of Pretoria
EMAIL	ian.craig@up.ac.za

ACHIEVEMENTS

Member of the Golden Key International Honors Society for 2019 and 2020
- Awarded to top 15% of Engineering Class