

# Cailin Nivene Pillay

## Data Analyst/Scientist

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<https://cailinp05.github.io/>

### Summary/Skills

Entry-level data analytics/scientist professional; recently completed the Google Data Analytics Professional Certificate.

Excellent understanding and proficiency of platforms for effective data analyses, pattern recognition, data visualization skills, and relational databases, including SQL, Python, Excel, Tableau, Power BI, and R. Strong communication, organizational, and analytical skills.

### Experience

#### Google/Data Analytics Professional Certificate

JULY 2023 – SEPTEMBER 2023, Online

Completed extensive six-month job-read Google Career Certificate training. Demonstrated hands-on experience with data cleaning, data visualization, project management, interpreting and communicating data analytics findings. Confidence in transforming complex data into actionable and clear insights.

Fluency in computer programming languages and a solid understanding of databases.

#### University of the Western Cape / Benthic Ecologist Data Science Internship

9 AUGUST 2021 - 9 DECEMBER 2022, Hybrid/Belville

- Writing my own code in R programming language for scientific purposes, aided in my entire honours project being done in R/R markdown, and GitHub (<https://github.com/Cailinp05>).
- Working closely with a Professor at the University of the Western Cape to develop, validate, and execute basic algorithms, and predictive models to collect, merge, analyze, extract, and interpret large datasets.
- Acquire, combine, and transform data from various sources into interpretable datasets. Using data to investigate scientific problems, detect patterns, and extrapolate insights into a scientific paper. Developing data structures, organizing, collecting, standardizing data, and performing data preparation in order to reduce and

shape data.

- Clean and validate data and assure its integrity, accuracy, completeness, and uniformity. Test data mining models to select the most appropriate one for use on the project. Adhere to stringent quality assurance and documentation standards using version control and code repositories—cross-validate models to ensure their generalizability.
- Assess the effectiveness of data sources and data-gathering techniques to improve data collection methods, and data management and governance in terms of data protection, compliance, retention, archiving guidelines, data standards, etc. Prepare analytical findings, results, and reports using data visualization techniques.
- Effectively structure and plan projects, timelines, and deliverables, working with the Professor on technical trade-offs. Conduct research to develop prototypes and proof of concepts specifically LiDAR technology.
- Share insights and knowledge across teams to inform collaborative efforts via PowerPoint presentations to the entire department and conferences. All while maintaining a high level of self-motivation and drive to meet and exceed goals and expectations.

**Ruhenssoutafrica /Regional Branch Manager, Sales Manager,  
Team Leader, and Personal Assistant**

15 MARCH 2019 – 05 AUGUST 2023,

Hybrid/Tygervally/Table View

- Promoted to 7 positions at the same company, increasing sales, building and managing a team, personal assistant, admin assistant, branch and sales manager, etc.
  - I used Data Analytics and Excel to monitor sales activities, maintenance bookings, debit orders, and general ledgers to ensure customer satisfaction services and good quality services.
- Created a positive atmosphere for clientele, responding to customer inquiries and complaints. Monitored, directed, and prioritized all company front-end and back-end activities in a fast-paced environment.
  - Conducting demonstrations and creating quotes, invoicing, debit orders, maintenance booking, new client monitoring, creating, and managing social media platforms.
- Aiding in launching a successful business by ensuring quality customer service and personal assistant working closely with the CEO of the company.

## Education

### **University of the Western Cape / BSC Biodiversity and Conservation Biology**

17 FEBRUARY 2022 - 30 JUNE 2023, Belville

Completed Honours degree and honours project based in R programming language as mentioned above linked with experience from the Benthic Ecologist Data Science Internship.

This year also includes modules such as marine biology, herpetology, quantitative ecology in R, and biostatistics in R.

### **University of the Western Cape / BSC Biodiversity and Conservation Biology**

17 FEBRUARY 2017 - 20 MAY 2021, Belville

Completed undergraduate degree while working full-time at promotional companies and retail stores. The degree included mathematics, statistics, chemistry, earth science, estuarine ecology, scientific article writing and ethics, life science, and environmental and water science.

## Awards and Courses

- Top sales Agent and Branch Manager at Ruhensouthafrica/Neutratch.
- Data Science Course at Digital Regenesys. PRACE Supercomputing MOOC and CHPC Practical HPC course through Future Learn CHPC Winter School 2021.
- The Data Science Course 2022: Complete Data Science Bootcamp on Udemy.
- Professional Snake Handling and First Aid Course at African Snakebite Institute.
- Professional Scorpion Handling and First Aid Course at African Snakebite Institute.
  - CPR/AED certified 2022 (Adults and babies).
- Young Biologist Course at the Two Oceans Aquarium.
- Marine and Oceanography Course at the Two Oceans Aquarium.
- Grades 1 - 7 Silver Flute and Music Theory Grade 1 - 4 at Trinity College London.

## **Key Skills (Hard & Soft)**

- Ability to play a variety of instruments
- Have proficiency in all areas of Microsoft Office, including Access, Excel, Word, PowerPoint, Paint/3D, GIS, R, SQL, Python, Tableau, Power BI, PAUP4, Dockter Desktop, WebODM, DIVA-GIS, MR.BAYES, Pastel Accounting, Page, Jobsys, Netcash, etc.
- Advanced problem solving, effective listening and motivating others, training, innovative thinking, and completing forms skills.
- Accomplished communication skills, both written and verbal, developed through numerous essays and presentations given during my time at school.
- Ability to work with others, as well as on my own.
- Excellent communication skills in English, Afrikaans, and Spanish, verbal and writing.
- Certified free diver with excellent swimming skills and first aid.
  - Basic Data Science/Data analysis/Quantitative/Estuarine/Benthic ecology analysis, and Marine Biology skills.
- Basic understanding of animal behaviour of fish, reptiles, amphibians, and invertebrate husbandry, nutrition, and natural history.
- Basic understanding of avian husbandry, incubation, and natural history gained from SANCCOB volunteering.
- Ability to take initiative, work well under pressure, and ensure strict deadlines are met.
- Flexibility, whilst maintaining enthusiasm commitment, and dedication to each project.
- Ability to work well with children and tutoring. If there is not a key skill listed, I am keen on learning and adapting as fast and efficiently as possible.

## **Hobbies and Interests**

- Qualified Free diver,
  - Surfing,
  - Hiking,
  - Rowing,
- Photography/Photoshoots,
  - Abseiling,
  - Shark-Cage Diving,
- Playing instruments: Playing silver flute, recorder, violin, piano/keyboard, guitar, and composing my own music.
  - Gaming,
- Catching and releasing snakes, scorpions, spiders, and
  - Socialising with family and friends