PETER WILLMOTT

JUNIOR SOFTWARE ENGINEER

PROFILE

I am a hardworking and motivated individual with a passion for data analytics. I have an Hons. BSc. degree complimented with a Data Science Specialisation and work experience as a software engineer. Through both academic and practical avenues, I have cultivated a well-rounded set of skills - allowing me to develop a robust foundation, supported with programming and database strengths. Fueled by a drive to learn and described as an innovative and determined worker, I seek to adapt in stressful situations, both team led and individual. I strive to reflect a positive attitude and presence within any environment.

WORK EXPERIENCE:

AEROBOTICS

Intern - Software engineer　　　　　　　　　　　*July '21 - October '21*

Joined the incredible Aerobotic's Internal Operations team for 4 months. Charged with developing tools for various teams within the company, this encompassed the full spectrum of the software engineering pipeline. Working primarily in React, Angular and Django with exposure to services like AWS and Terraform.

SAXAN CAPITAL

Freelance - Developer / Analyst　　　　　　　　*January '21 - April '21*

Developed an indicators bot that provides crypto-currency trading signals through a web based app and Telegram messenger. As the only developer on the team it required a steep learning curve that was embraced with enthusiasm. The client was impressed and satisfied with the results.

CHINO WEB

Self-Started Small Enterprise　　　　　　　　　*December '20 - July '21*

My primary focus was facilitating the SEO and content optimisation with web scrappers and content analysis.

SUPER YACHT DECKHAND/ENGINEER

M.Y Midnight Saga II & M.Y Liberty　　　　　*December '18 - December '20*

Although out of the tech field, the job instilled important aspects shared across disciplines; a high degree of professionalism, responsibility and time management.

EDUCATION:

DATA SCIENCE SPECIALISATION

John Hopkins University - Coursera　　　　　　　　　　*2018*

BSC. HONOURS GEOINFORMATICS

Stellenbosch University　　　　　　　　　　　　　*2017*

BSC. GEOINFORMATICS

Stellenbosch University　　　　　　　　　　*2014 - 2017*

CONTACT

Email

Tel

peter-willmott
LinkedIn

Cape Town
Location

Immediate
Available Start

SKILLS

Professional*

Python
R
SQL
React
Data Analytics
GIS

Personal*

Team Work
Attitude
Reliability
Problem Solving
Adaptability
Creativity

*Based on personal skill/comfort levels, not industry standards

Working Knowledge of:

Angular | APIs | Keras | Unity | Docker |
AWS | Git | scikit-learn | CSGO

BAYESIAN STATISTICS: TECHNIQUES AND MODELS

University of California, Santa Cruz - Coursera

This 5-week course introduced the fundamentals of Bayesian statistics. Having completed the course, I feel more comfortable in my ability to construct, fit, assess, and compare Bayesian statistical models in an R environment using JAGS.

DATABASE DESIGN AND IMPLEMENTATION

UNISA

A 6-month course that addressed the practical aspects of conceptual database design and covered the implementation of databases. The course built on an existing SQL foundation and greatly improved my theoretical understanding regarding relational database setup, maintenance, and querying. The course required formative assessment and in-person examination.

C# UNITY DEVELOPER

Udemy

Currently under completion, this course aims to teach video game design and development with C# in the Unity engine. Undertaken as a personal endeavor in my free time to better understand a hobby of mine. Provides a refreshing creativity and sense of achievement on top of exposure to a new programming language.

PORTFOLIO QR

CODE REPO
Github-Peter-Willmott

INTERESTS

SURF

KITE

LEARN

GAME

ACOMPLISHMENTS

PUBLISHED RESEARCH TRANSCRIPT

South African Society for Atmospheric Sciences

Co-authored a 4-page extended abstract adaption to my honours thesis titled "Spatial variability in coastal winds over the Cape Peninsula region from Synthetic Aperture Radar observations".

PRESENTED RESEARCH AT CONFERENCE

Nanson Tutu Symposium and SUNSAR conference

SAR-EDU COURSE

Friedrich-Schiller University Jena

Advanced SAR techniques and applications - introduced the use of SAR polarimetry and interferometry with a view on applications such as soil moisture, agriculture, and digital elevation modeling.

RECREATIONAL ACOMPLISHMENTS

- *IKO qualified kite surfer*
- *Completed Dusi Canoe Marathon*
- *RYA Day Skipper*
- *Yearly Arniston Laser Regatta*

REFERENCES

THALIA PILLAY

Software Engineer - Aerobotics
Contact available on request

DR MARJOLAINE KRUG

Senior Researcher - CSIR
Contact available on request

NICHOLAS COLES

Head of Software Engineering - Aerobotics
Contact available on request