

TIFFANY WOODLEY

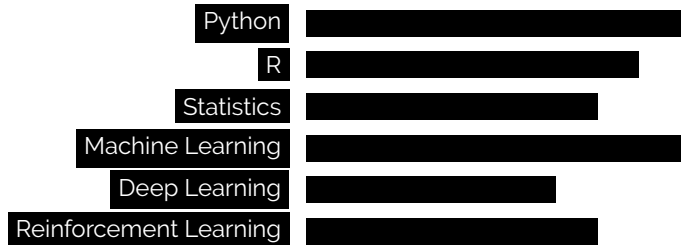
📍 Cape Town
☎ 078 2800751
🏛 UCT

🌐 github.com/tiff-woodley
✉ tiff.woodley@gmail.com
🌐 linkedin.com/in/tiffany-woodley

Electrical & Electronic Engineer/ Data Scientist

WHO AM I?

I am a natural problem-solver and strongly believe in Occam's Razor – the simplest explanation is usually the best one. I love using this principle and a bit of creativity to find novel ways to solve complex problems. With a background in electrical and electronic engineering, I have thoroughly enjoyed finding data solutions within the industry and I am eager to apply my range of skills in machine learning across multiple industries.



EXPERIENCE

- 2019 – Present
part time
- Contract Work** Solink
- Created software which simulates micro-grid and battery arbitrage systems in order to optimally size systems based on financials
- Python / Excel
- 2018 – 2019
- Junior Battery Engineer** SolaFuture Energy
- Created software which simulates micro-grids systems and analyses them in order to create optimal and detailed proposals
 - Interfaced the software to run through Excel, allowing for non-coders to generate proposals
 - Created an automatic monitoring system which pulled in data from SQL databases and other APIs, run on a Linux server
- Python / VBA / Linux Server / SQL
- 2017
- Intern** SolaFuture Energy
- Explored different tariff structures and loaded profiles to find locations suited to the application of peak shaving
 - Created a tool to autonomously extract required information from sheets in Excel
- Python / VBA

EDUCATION

- 2020 – 2021
- MSc Advanced Analytics** University of Cape Town
- Stream change to Advanced Analytics to diversify my skillset and develop greater insight into statistics. Courses included: Multivariate Statistics, Advanced Regression, Simulation and Optimisation, Machine Learning. My thesis involves the use of reinforcement learning to solve the practical problem of peak shaving
- 2019 – 2020
- Msc Data Science** University of Cape Town
- Courses included: Supervised Learning, Unsupervised Learning, Data Science for Industry, Databases, Data Visualisation.
- 2012 – 2018
- BEng Electrical & Electronic Engineering** Stellenbosch University

PROJECTS

For a comprehensive guide of my assignments and course work completed in my masters please click [here](#).

HOBBIES

I enjoy being creative, in my spare time you can find me decorating a friend's apartment, DIY'ing a new piece of furniture or attempting to sew something wearable with my entry-level sewing skills.

