Daniel Ricardo **Ferreira**

PHYSICS ENGINEER

☐ +351 919333939 | ✉ ferreira.d4.r@gmail.com | ⬡ BigNaNet | ⬛ daniel_ferreira

Summary

Currently I'm an Advanced Plant Modelling Engineer at Vestas. Building experience in back-end development, modelling and infrastructure automation. Nerd who loves Emacs, Linux and enjoys to customize all of the development environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

Education

University of Coimbra	*Coimbra*
MASTER DEGREE IN PHYSICS ENGINEERING	*2017 –*
Coursera	*Online*
MACHINE LEARNING COURSE	*2019 –*

Skills

Languages	Portuguese, English, German, French
DevOps	Git, CI/CD, Prometheus, Docker, Kubernetes
Programming	Python, Java, Bash, elisp, MySQL, Latex
Data	Machine Learning, Data Analysis

Experience

Vestas *Porto, Portugal*
ADVANCED PLANT MODELLING ENGINEER *Feb 2020 –*
- Scientific back-end code development.
- Building automated CI/CD pipelines for containerized applications using Docker, Azure and gitlab.
- Process parallelization with dask in python.
- Implementing microservices in python.

Vestas *Porto, Portugal*
OPERATIONAL FORECAST ENGINEER *Oct 2019 – Feb 2020*
- Acquainted with state of the art technologies such as Containerization, CI/CD processes, and Cabernet's.
- Agile methodologies.
- Deployed Prometheus as centralized logging gatherer for in house gateway infrastructure for crevices.
- Deployed Alert as centralized notification system for gateway infrastructure.

Vestas *Porto, Portugal*
OPERATIONAL FORECAST ENGINEER TRAINEE *Oct 2018 – Oct 2019*
- Responsible for a fully running forecast system, based in SGE scheduling and python code.
- First contact with machine learning algorithms, linux systems, relational databases.

Extra Curricular

CNE, WOSM *Viseu, Portugal*
SCOUT MONITOR *Sep 2016 –*

- Work with kids, helping them acquire new competences that allow them to be more organized, team players and objective focused. All this while I get to travel around and know some awesome hiking places

Associação Académica de Coimbra *Coimbra, Portugal*
VOGAL, NUCLEO DE ESTUDANTES DO DEPARTAMENTO DE FÍSICA *Oct 2013 – Jul 2014*