

# Pedro Pereira

Junior System Administrator

pedro\_pereira@outlook.pt

GITHUB | LINKEDIN

## EDUCATION

UNIVERSIDADE DO MINHO  
MASTERS SOFTWARE ENGINEERING

Sep 2021 - Current

UNIVERSIDADE DO MINHO  
BACHELORS SOFTWARE ENGINEERING

Sep 2019 - Jul 2021

## EXPERIENCE

EUROTUX | JUNIOR SYSTEM ADMINISTRATOR

Oct 2022 – Current

- Worked on the selection, implementation and integration of SIEM tool for better file integrity monitoring.
- Addressed clients' security concerns by investigating the root cause and evaluating their validity.
- Evaluated the security of infrastructures through vulnerability scans.

ACCENTURE | INTERNSHIP

Jun 2022 – Jul 2022

- Created a monitoring tool for Microsoft Teams.
- Implemented automated participation tracking and meeting summaries.

## SKILLS

PROGRAMMING LANGUAGES  
LIBRARIES/FRAEMWORKS  
TOOLS / PLATFORMS  
DATABASES

C | Java | Python | Elixir | JavaScript | Bash  
Express | NumPy | Scikit-learn | XGBoost | LightGBM  
Linux | Ansible | Vagrant | Docker | Kubernetes | GCP  
MySQL | MongoDB

## PROJECTS / OPEN-SOURCE

SAFIRA | [LINK](#)

Elixir

- Worked on the development of a web server for the SEI job fair hosted by CeSIUM.
- Used Elixir in the context of the PETAL stack for backed development.

NUMERA1 TOURNAMENT PARTICIPATION | [LINK](#)

Python | Scikit-learn | XGBoost | LightGBM

- Participated in the numer.ai machine learning tournament.
- Used different machine learning models to create a diverse portfolio.

HIGH AVAILABILITY DATA SERVER | [LINK](#)

Erlang | Java | ZeroMQ

- Implemented a High availability data Key-Value store server.
- Used State-Based CRDTs to ensure efficient and fast data propagation.

SOURCE CODE ANALYSER | [LINK](#)

Python, Lex, Yacc

- Developed a code analysis tool providing insights into source code quality.
- Gathered metrics such as unreachable loops and unused variables.
- Generated System dependency and Control Flow graphs for the analysed code.