DAVID FERNANDES
Software Engineer

A programmer since high school, with a background on competitive programming, backend development and an interest for computer vision and IoT.

Experience

R&D Software Engineer
Nokia Networks
2022 - Current

Designing, developing and deploying components of the Nokia Assurance Center in both performance and fault management pipelines.
Java with Spring, Kafka with schema registry, Camunda 7, Docker, Kubernetes with Helm charts, Python, Bash.

Software Engineer
Faro Technologies Inc.
2021 - 2022

Worked on the CAM2 3D measurement software, a windows program to support their coordinate measuring machines.
C#, WPF and Appium. Left with a recommendation letter on these topics.

Researcher and developer
IEETA
2019 - 2021

Research grant on the topic of computer vision methods for ultraviolet radiation and skin protection.
Python with OpenCV, Raspberry PI and camera modules, computer vision algorithms and open source projects.

Education

Master in Informatics Engineering
University of Aveiro
2018 - No thesis

Software engineering practices, IoT and deployments.
Java, Android, Python, Docker, Kubernetes, Redis and MongoDB.

Erasmus in Master of Computer Science
OTH Regensburg, Germany
2018

Semester focused on functional programming and security.
Scala and C++.

Bachelor in Informatics Engineering
University of Aveiro
2015 - 2018

Programming concepts
Java, Android, Python, C and Ionic.

Science and Technology focused on Informatics
Colégio Internato dos Carvalhos
2012 - 2015

Extracurricular classes on programming and computer science concepts.
Pascal, C, Visual Basic, Sql and Bash.

Achievements

Bachelor's final project of Informatics Engineering
2018

Regatta monitoring with drones, graded 19 out of 20 by the evaluation commitee.
Python with OpenCV, Java, Angular.

Portuguese Olympiad of Informatics
2013/2014/2015

National highschool competition of programming, ranked top 10 in 2015.
Pascal in 2013, C in 2014/2015.

Contacts

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Languages

Portuguese	C2
English	C1
German	A1

Awards

Bot for Sueca
1º place at ShiftForward bot programming contest at ENEI 2018. Made with Java.

CTF Coimbra/Braga
2º and 1º place at the Capture the flag programming contests in ENEI Coimbra 2019/Braga 2020. Bash, Python and Unix tools.

TECLA/PPUP
2º place at both TECLA and PPUP (highschool programming contests ran by universities) in 2015. Programmed on C.

CPAS
1º place every year in my highscool's (CIC) programming contest. Pascal in 2013. C in 2014/2015.