

David Luís Dias da Silva

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About me

Currently taking my Masters Informatics Engineering and Computing at the Faculty of Engineering of the University of Porto. I'm passionate about programming and software architecture/engineering, and machine learning; and am motivated to overcome any challenges I face.

Education

Technische Universität München <i>Exchange semester</i>	Oct. 2021 – Present
University of Porto – Faculty of Engineering <i>Master's degree (MSc) In Informatics and Computing Engineering</i>	Sep. 2020 – Present
University of Porto – Faculty of Engineering <i>Bachelor's degree (BSc) In Engineering Sciences - Informatics and Computing Engineering</i>	Sep. 2017 – Sep. 2020 GPA: 18.97/20
11th Lisbon Machine Learning School <i>Attendee</i>	Jul. 2021

Experience

Sciencemeter: Investigation grant <i>Web-application built for the Department of Informatics</i>	Feb. 2021 – Present <i>University of Porto – Faculty of Engineering</i>
<ul style="list-style-type: none">• Build platform is used to aggregate metrics from different sources, regarding scientific productions by researchers.• Improve software engineering/architecture skills• Use of web technologies (namely React, MongoDB, Typescript)• Software development and project management practice	
Teaching Assistant: Programming <i>Assist students of the Programming course in projects and with course related questions.</i>	Feb. 2021 – Jul. 2021 <i>University of Porto – Faculty of Engineering</i>
New Talents in Artificial Intelligence Grant <i>Research reinforcement learning reward shaping techniques.</i>	Nov. 2019 – Sep. 2020 <i>Calouste Gulbenkian Foundation</i>
<ul style="list-style-type: none">• Improvement of Machine Learning knowledge (Reinforcement Learning)• Creation of a new model for representing problems dubbed <i>Resource Appropriation</i> problems• Usage of difference rewarding in the <i>Common's Game</i>• Usage of resource abstraction in the <i>Road Network Domain</i> with complex networks (Sioux-Falls Network)	
Programmer internship <i>Manage small corporate network and create interface for web-application</i>	Jul. 2019 – Sep. 2019 <i>Rational Innovation</i>
<ul style="list-style-type: none">• First contact with networking and web-technologies• Insights on software engineering on the corporate level• Contact with different sectors of a company (sales, technical, financial)	

Programming Projects

A description of most of my projects can be found in my GitHub
github.com/daviddias99/projects

Technical Skills, Language Skills, and Interests

Programming Languages: C/C++, Python, Java, PHP, Javascript/Typescript, HTML, CSS, Node.js, Lua, Alloy
Libraries: ReactJS, SCSS, OpenCV, PyTorch, NumPy, OpenCV
Version Control: Git
Other technical kills: Docker, REST, OOP
Languages: Portuguese (native), English (C1 level)
Interests: Software Engineering and Architecture, Project Management, Sports, Chess

Extracurricular

Podcast: The Bucket list Podcast: A podcast about a two friends who build a bucket list. This experience allowed me to improve my communication and technical skills.
Sports: I enjoy practicing all kinds of physical activity. I'm a casual tennis player and have practiced kickboxing for one year, I currently enjoying weightlifting.