João Fula

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EDUCATION

Faculty of Engineering of University of Porto — Integrated Masters in Electrical and Computer Engineering

Sep. 2015 - Jul. 2020   Porto, Portugal

Žilinská Univerzita v Žiline — Electrical and Computer Engineering (Erasmus)

Sep. 2018 - Jan. 2019   Zilina, Slovakia

PROJECTS

Institute for Systems and Computer Engineering, Technology and Science- INESC TEC - Small Hovering AUV with Differential Actuation

- Developed algorithms to process noisy data from a SONAR, filter it and extract the information to build 3D maps of the surroundings and locate the AUV within the maps
- Used Matlab, C++

Jul. 2017 - Jul. 2020   Porto, Portugal

Personal Portfolio

- Developed the website to store my personal portfolio using the django Python Web framework
- Customized the website using CSS and HTML
- Used SQLite to store the information
- Other personal projects may be found in the portfolio

PUBLICATIONS

Underwater Mapping Using a SONAR - Master Dissertation
https://sigarra.up.pt/feup/pt/pub_geral.pub_view?pi_pub_base_id=411096

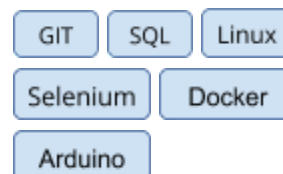*AUV Self-localization in Structured Environments Using a Scanning Sonar and an Extended Kalman Filter*
https://ieeexplore.ieee.org/document/8604798

SKILLS

	Level			
	1	2	3	4
Python	▨	▨		
C/C++	▨	▨		
Matlab	▨	▨		
HTML	▨			
CSS	▨			
Javascript	▨			

1- Basic
2- Intermediate
3- Advanced
4- Master/Expert

OTHER SKILLS

GIT   SQL   Linux

Selenium   Docker

Arduino

LANGUAGES

Portuguese – Native

English – C2

Polish – A1