JOÃO RIBEIRO PINTO

biomedical engineering student

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master in bioengineering
branch of biomedical engineering
Faculdade de Engenharia, Universidade do Porto

license degree completed in 2015
master degree expected conclusion in 2017

trainee at CardioID (since Sep. 2016)
master thesis internship, focused on the application of signal processing and machine learning for security biometric applications on noisy, off-the-person settings

vice-chair at EMBS UP (Nov. 2015 - Jun. 2017)
organization and supervision of activities, projects, and workshops related to engineering in medicine and biology, and promotion of IEEE to the community

researcher at VILab (Sep. 2015 - Apr. 2016)
team research on machine learning and computer vision applications (mainly for biometric recognition)

main areas of expertise:

computer vision | signal processing | machine learning | mobile apps & gui design | information systems & web | sensors & electronics

programming

- C/C++
- Java / C#
- MATLAB
- Python
- PHP / SQL
- HTML/CSS
- Javascript
- LabVIEW

remarks on projects

biometric recognition
using ECG, voice, and fingerprint with anti-spoofing liveness detection

medical image analysis
CT organ segmentation, nuclear medicine, osteoporosis detection, and pill recognition in smartphone images

web development
front-end & database development, hosting, with image analysis & decision

signal acquisition & processing/analysis
arterial pressure with PPG, pulmonary sound analysis, multi-sensor activity recognition, android apps with sensors

other skills

languages: Portuguese (native) & English (fluent)

web dev.: experience with sass, react, angular, bootstrap & jquery

agile development methodology (scrum), & software testing

expertise in entrepreneurship, marketing, and graphic design

soft skills: time management, team leadership, presentation skills

bionics, robotics, control, actuators, physiology, & others...

for more info, please visit **jtrpinto.github.io**, or contact me through **jtrpinto@gmail.com** / **(+351) 912 973 549**