JOÃO RIBEIRO PINTO

biomedical engineering student

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EDUCATION &EXPERIENCE

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, promotion of IEEE to the community

researcher at VILab (Sep. 2015 - Apr. 2016)

team research on machine learning and computer vision applications (mainly on biometrics)

main areas of interest



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signal processing



machine learning



mobile apps & gui design

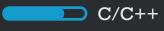


information systems & web



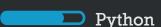
sensors & electronics

programming

















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...