MARCO MARRA

Research Software Engineer

CONTACT

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https://github.com/marcopus

SKILLS

Python
MeVisLab
C++
Git
CI/CD
Docker

EXPERIENCE

RADBOUDUMC · DIAGNOSTIC IMAGE ANALYSIS GROUP - Research Software Engineer

Jan 2021 - Dec 2021
Software development in lung cancer screening research and backend development for Django-based web app Grand-Challenge.org · Worked on a product team using agile practices and CI/CD systems · Picked up complex (CIRRUS on MeVisLab) web applications quickly · Picked up Docker and worked on app containerization, refactoring, testing, feature development, and code review

UNIVERSITY OF TWENTE · BIOMECHANICAL ENGINEERING - Assistant Professor

Nov 2017 - Dec 2020
Setting up a DevOps culture within the research team, including CI/CD and version control tools, for code development aimed for reuse by fellow researchers and in student projects

RADBOUDUMC · ORTHOPAEDIC RESEARCH LAB - Researcher

Jan 2014 - Oct 2017
Worked in a multicultural research project on development and validation of computational models of the implanted knee in OOP language and Python · Identified and evaluated solutions (including machine-learning and external C++ computational libraries) to improve model efficiency · Presented award-winning papers at international scientific journals and symposia

ANYBODY RESEARCH GROUP · AALBORG UNIVERSITY - Internship

Oct 2013 - Dec 2013
Became acquainted with OOP language for musculoskeletal modeling AnyScript · Familiarized with enterprise-level CI/CD pipelines, version-controlled code and teamwork

PROJECTS

EDUCATION

PHD IN MEDICAL SCIENCES