MARCO MARRA

RESEARCH SOFTWARE ENGINEER

An intuitive, solution-oriented biomedical engineer with a passion for computers and technology. There are no impossible challenges, only complex problems to solve. That's what I stand for. I get energy from always learning new things and developing myself a step further.

CONTACT

👤 Born in Galatina, Italy

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SKILLS

Python

MeVisLab

C++

Git

CI/CD

Docker

Embraces modern best practices of software development and agile teams · In the process of obtaining the AWS Certified Cloud Practitioner certification.

EXPERIENCE

Research Software Engineer - Radboudumc · Diagnostic Image Analysis Group
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

Assistant Professor - University of Twente · Biomechanical Engineering
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

Researcher - Radboudumc · Orthopaedic Research Lab
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

Internship - AnyBody Research Group · Aalborg University
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

EDUCATION