

# MARCO MARRA

RESEARCH SOFTWARE ENGINEER



## 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

## Education

### **PhD in Medical Sciences**

Thesis title: Personalized musculoskeletal .modeling of the knee joint

### **Master of Science in Biomedical Engineering**

Thesis title: Study of dens fracture in the elderly and the role of osteoporosis with a .finite element model

### **Erasmus exchange programme**

Bioinformatics course: intro to Python, code version control and reusability

## Skills

Python

MeVisLab

C++

Git

CI/CD

Docker