



# NUNO RAMOS CARVALHO

COMPUTER SCIENTIST

## EXPERIENCE

2024 - Present

### Spacecraft Operations Engineer

European Space Operations Centre, ESA/ESOC  
Spacecraft Operations Engineer at the OPS-SAT laboratory.

2023 - 2024

### AI/ML Software Engineer Intern

European Space Operations Centre, ESA/ESOC  
AI driven, goal oriented mission planning and scheduling.

2019 - 2023

### Data and Machine Learning Engineer

Guimarães Municipality  
Designing intelligent systems for smart cities.

2015 - 2019

### Research Fellow

United Nations University  
Data science and development for different projects.

2008 - 2010

### Software Engineer

SAPO, Portugal Telecom  
Designing and developing high performance applications.

## EDUCATION

2022

### MsC in Astronomy and Astrophysics

Faculty of Sciences, University of Porto

2022

### Space Studies Program

International Space University

2015

### PhD in Computer Science

University of Minho, Aveiro and Porto

2008

### MsC in Computer Science

University of Minho

2005

### BsC in Systems Engineering and Informatics

University of Minho

## CONTACT

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🌐 <https://nunorc.github.io>

🌐 <https://linkedin.com/in/nuno-ramos-carvalho>

## EXPERTISE & SKILLS

### Professional

Time Management

Problem Solving

Communication

Teamwork

Creativity

Critical Thinking

### Technical

{Machine, Deep} Learning

Data Science, NLP

Networks & Systems Admin.

Software Development

Web Stacks, Restful-APIs

Python, C/C++, Java, Haskell

## PROJECTS

astroMLP <https://astromlp.nrc.pt>

Wiki Score <http://wiki-score.org>

Y-Space <http://y-space.se>

Portfolio <https://nunorc.github.io/#portfolio>

## COURSES & CERTIFICATES

ML Engineering for Production (MLOps)

IBM Data Science Professional Certificate

Deep Learning Specialization

Machine Learning Specialization

Ladybird Guide to Spacecraft Operations

Space Mission Design and Operations

Fundamentals of Space Systems