



# DANIEL RAMOS

COMPUTER SCIENCE STUDENT

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## PROFILE

Computer Science Master's student passionate about software development, specializing in computer graphics and game development. Strong skills in C#, Unity, and cloud architectures. Experienced in VR application development and web technologies. Always eager to learn and tackle new challenges.

## EXPERIENCES

### Apprentice Backend Developer |

Sky Portugal

Jul 2025 - Aug 2025

- Developed a Machine Learning model through the exploration of anomaly detection approaches to identify traces of piracy within logs of Peacock.
- Created a model capable of flagging hard to identify piracy patterns.

**Tech Stack:** Python, ElasticSearch, ScikitLearn, Tensorflow, NumPy, Unsupervised Learning

### VR Development intern | Realizasom

Feb 2024 - Aug 2024

- Developing an immersive Mixed Reality application to be exposed in a museum.
- Collaborating with a multidisciplinary team to optimize performance and accessibility

**Grade:** 18 out of 20

**Tech Stack:** C#, Unity, Fork, OpenXR

### Software Engineer | O Seu Vizinho

Jun 26 - Jul 14, 2023

- Developed a proof-of-concept website using PHP and Laravel for a startup.
- Participated in the Nova impACT! Challenges competition, applying agile development methodologies.

**Tech Stack:** PHP, Laravel, MySQL, XAMPP, HTML, CSS, Bootstrap

### Student Ambassador | NTT DATA

Sep 2024 - Sep 2025

- Acting as a liaison between NTT DATA and university students.
- Organizing and participating in workshops and networking events.

**Acquired Skills:** Teamwork, time management, charisma

### Informatics club member | NOVA FCT

Sep 2023 - Present

- Expanding technical skills beyond the curriculum.
- Gaining front-end experience with the development of the club website.

**Tech Stack:** Flutter, Next.js, Event organization

### Scout | Corpo Nacional de Escutas

2013 - 2024

- Engaged in volunteer work with organizations like Cáritas and Banco Alimentar.
- Participated in a community-focused volunteer trip to Cape Verde.
- Developed teamwork, leadership and resilience through various initiatives.

**Acquired Skills:** Teamwork, leadership, resilience, autonomy

## PROJECTS

### DSTP Socket | Networks Security Course

- Developed an encryption-based security layer for UDP sockets in Java.
- Worked with several encryption methodologies, including Diffie-Hellman, symmetric, asymmetric and password based.

**Tech Stack:** Java, Cryptographic algorithms, Computer Network Safety

## EDUCATION

NOVA School of Science and Technology

**BSc Computer Science | Grade: 16 | 2021 - 2024**

**MSc Computer Science | 2024 - Present**

## SKILLS

### </> Programming Languages

- Java, C, C#, Python, Javascript, OCaml

### Cloud & Infrastructure

- Azure, Kubernetes, Cloud Architectures

### Web Development

- Flutter, Next.js, html, css, laravel

### Graphics and Games

- Unity, VR Development, WebGL, ThreeJS

### Cybersecurity

- Cryptographic Algorithms, Computer Networks Safety, Kerberos

### Personal

- Teamwork, leadership, resilience, time management, autonomy