



Tomás Silva

📍 **Home** : Porto, Portugal

✉ **Email**: tomascsilvapro@gmail.com 🌐 **Website**: <https://sylvagx.github.io/>

🌐 **LinkedIn**: <https://www.linkedin.com/in/tomás-silva-932a59139/>

🐙 **GitHub**: <https://github.com/SylvaGX>

Gender: Male **Date of birth**: 04/08/2000 **Nationality**: Portuguese

ABOUT ME

I am currently pursuing a Master's degree in Computer Science, complemented by a course in IT Systems Management and Programming Technology. My academic journey reflects my fervent interest in Computer Graphics, Artificial Intelligence, and Algorithms. I have a particular passion for C++ and low-code languages. In my free time, I have engaged with various graphical APIs, such as OpenGL and Vulkan, honing my skills and exploring new possibilities in computer graphics.

WORK EXPERIENCE

[10/09/2023 – 04/30/2024]

Software Engineer (Internship)

Critical TechWorks

City: Porto | **Country**: Portugal

- Update outdated documentation
- Refactor Python code for a generator
- Develop a Python-to-C++ codec generator

[11/15/2021 – 07/15/2022]

Software Developer (Internship)

Univeristy of Trás-os-Montes e Alto Douro <https://www.utad.pt/>

City: Vila Real | **Country**: Portugal | **Name of unit or department**: Scholarship in Centro de Competências de Visualização de Computação Avançada | **Business or sector**: Professional, scientific and technical activities

- Utilized a 3D camera, specifically the Orbec Pro Astra.
- Employed Nitrack technology.
- Integrated Nitrack with the camera to recognize human motion and reproduce it in Unity using an avatar.

[02/12/2018 – 06/20/2018]

Software Developer

Grandes Planos

City: Santo Tirso | **Country**: Portugal

- WordPress website creation
- Inserting data into a website database

EDUCATION AND TRAINING

[09/19/2022 – Current]

Computer Science Master Degree

Universidade Trás-os-Montes e Alto Douro <https://www.utad.pt/>

City: Vila Real | **Country**: Portugal | **Field(s) of study**: Engineering, manufacturing and construction | **Level in EQF**: EQF level 7 | **NQF Level**: QNQ Level 7 | **Type of credits**: ECTS | **Number of credits**: 120

1st year:

- Game Development
- Systems Administration

- Cryptography and security of computer systems
- Ubiquitous computing
- VR Development
- Mobile communications networks and services
- Software architecture and patterns

[09/20/2019 – 07/15/2022]

Computer Science Bachelor

Universidade Trás-os-Montes e Alto Douro <https://www.utad.pt/>

City: Vila Real | **Country:** Portugal | **Field(s) of study:** Engineering, manufacturing and construction | **Final grade:** 16 | **Level in EQF:** EQF level 6 | **NQF Level:** QNQ Level 6 | **Type of credits:** ECTS | **Number of credits:** 180

C/C++, C#, Assembly, JavaScript, Bash and Python;

T-SQL;

Power BI;

Three.js and Web .NET MVC;

WPF;

[09/20/2015 – 08/07/2018]

IT Systems Management and Programming Technician

OFICINA - Escola profissional do INA <https://www.oficina.pt/>

City: Santo Tirso | **Country:** Portugal | **Final grade:** 16.2 | **Level in EQF:** EQF level 4

C++; PHP; JavaScript; Ajax; Hardware; MySQL;

Unreal Engine 5 C++ Developer: Learn C++ & Make Video Games

GameDev <https://www.gamedev.tv/>

Field(s) of study: Game Development ; Unreal Engine 5

Link: <https://www.udemy.com/course/unrealcourse/>

Get familiar with Unreal Engine 5 layout;

Make 5 games in UE5;

LANGUAGE SKILLS

Mother tongue(s): Portuguese

Other language(s):

English

LISTENING B1 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

COMPETITIONS

[04/06/2016 – 04/07/2016]

National Informatics Olympiads

Competition organized by FCUP - Faculty of Sciences of the University of Porto

[03/27/2017 – 04/06/2017]

National Informatics Olympiads

Competition organized by FCUP - Faculty of Sciences of the University of Porto

[04/06/2018 – 04/07/2018]

National Informatics Olympiads

Competition organized by FCUP - Faculty of Sciences of the University of Porto