



Hugo Silva

Nationality: Portuguese **Date of birth:** 17/09/2002 **Gender:** Male

✉ **Email:** hugo.hes.silva@gmail.com

in **LinkedIn:** <https://www.linkedin.com/in/hugo-silva-2311a9238/>

🌐 **Website:** <https://hugoesilva.github.io/PersonalWebsite/>

WORK EXPERIENCE

University Research Assistant

Chalmers University of Technology [01/02/2024 – Current]

City: Gothenburg | **Country:** Sweden | **Website:** <https://www.chalmers.se/> | **Name of unit/department:** Department of Data Science and AI

The research field is Multimodal Fusion Architecture, which is one of the many fields in data science, AI, and machine learning. The work revolves around taking data from different modality sources, such as text, images, audio, and more, and finding a way and a stage where the different modalities can be fused to achieve a better performance, given a model. The research involves determining the optimal fusion strategies to enhance the capabilities of machine learning systems by leveraging complementary information from different modalities. More information regarding the project will be made public after the work is complete.

Internee

Critical Software (criticalsoftware.com) [01/07/2022 – 31/07/2022]

City: Coimbra | **Country:** Portugal | **Website:** criticalsoftware.com

Link: https://drive.google.com/file/d/1yFHQm5rAyz2RrX8Wcs3NNs88xz-YxQtq/view?usp=share_link

Development of an application related to virtual cycling where, with the use of a real bicycle and a VR headset, an immersive experience could be provided to the user.

EDUCATION AND TRAINING

MSc. Data Science and AI

Chalmers University of Technology [01/08/2023 – Current]

Address: Chalmersplatsen 4, 412 96, Gothenburg (Sweden) | **Website:** <https://www.chalmers.se/en/>

BSc. Computer Science and Engineering

Instituto Superior Técnico [31/08/2020 – 31/07/2023]

Address: Av. Rovisco Pais 1, 1049-001 Lisbon (Portugal) | **Website:** <https://tecnico.ulisboa.pt/en/> | **Final grade:** 17.35/20

Secondary School Diploma

Escola Secundária Francisco Franco [31/08/2017 – 31/07/2020]

Address: Rua João de Deus nº9, 9054-527 Funchal (Portugal) | **Website:** <https://escolas.madeira-edu.pt/esffranco/Entrada> | **Final grade:** 20/20

TEACHING

[01/10/2022 – 01/12/2022]

Programming Instructor for TreeTree2 Afterschools Program

Afterschool by treetree2 is a program with various courses, that encourages students of many ages to delve into subjects that are not presented early in school. All of the content presented in these courses is created by teachers, engineers, investigators and the highest calibre of students that the country has to offer.

The course I am participating on is Programming, where we intend to teach all the first steps into becoming an elite class programmer.

Links: <https://treetree2.school/cursos/programacao/2022-04> | https://drive.google.com/file/d/1UFJ4A_hsjyVRVXWPFoX-YdUsCHhbDY9A/view

HONOURS AND AWARDS

[2021] Instituto Superior Técnico

Academic Merit Award

[2020] Escola Secundária Francisco Franco

Secondary School Excellence Certificate

[30/12/2020] <https://www.ordemengenheiros.pt/pt/a-ordem/regiao-madeira/>

Prémio Ordem dos Engenheiros - Região Madeira 2020 Merit award attributed to the madeiran student with the highest secondary school gpa that enrolled in a Engineering Bachelor's Degree.

Links:

<https://www.ordemengenheiros.pt/pt/atualidade/noticias/premios-ordem-dos-engenheiros-regiao-madeira-1/> | https://drive.google.com/file/d/1Qr-9qlq91THcugk6dSsOfolqIUvAvRt/view?usp=share_link

PROGRAMMING

Programming Languages

C, C++, C# - Applied in all sorts of projects, from introduction do data structures to creation of file systems and a compiler.

Prolog and Python (including libraries such as Scikit-learn, TensorFlow, PyTorch, NumPy, Pandas, Keras, etc.) - Applied in mostly Data Science and Artificial Intelligence projects.

R and Julia - Applied in projects of Probability and Statistics and also Non-Linear Optimization.

Java, JavaScript, Swift, CSS and HTML - Applied in a Software Engineering context.

SQL - Applied in Data Bases projects.

Assembly - Applied in Computer Architecture and Computer Organization contexts.

C2 IELTS | B2 FCE | CAMBRIDGE ENGLISH

[31/08/2011 – 31/07/2018]

English School Education

Valid C2 level (8.5 average) at IELTS exam. (completed on July 27th, 2022)

LANGUAGE SKILLS

Mother tongue(s): Portuguese

Other language(s):

English

LISTENING C2 **READING** C2 **WRITING** C2

SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2

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

MAIN ROLE IN ADVERTISEMENT

Main role playing Cristiano Ronaldo in advertisement for Portuguese bank

In "Uma mudança na vida" advertisement, I play the role of a young Cristiano Ronaldo living in Madeira Island. This advertisement features Ronaldo's full path to success as a player for, at the time, "Real Madrid".

Link: <https://youtu.be/zkCqL53H1z4>

HOBBIES AND INTERESTS

Football Trained high level football for 10 years.

Guitar Playing Self taught guitar player, mainly finger style. High interest in developing further skills.

Computer Gaming Competitive first person shooters, as well as survival, progress and development games. Appreciator of indie games.

Physical Fitness Practitioner of moderate weight lifting and general physical fitness.

Travelling Interest in travelling as a way of getting acquainted with other cultures.