

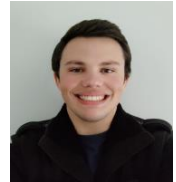
Ângelo Miguel Rodrigues Morgado, M.Sc.

✉ angelo_morgado@outlook.com

in Ângelo Morgado

angelomorgado

🌐 <https://angelomorgado.github.io/>



Employment History

- October 2022 – October 2024 **Researcher**, Computer Science and Engineering Department, Universidade da Beira Interior, Covilhã
- June 2021 – September 2022 **Store cashier**, Continente, Sonae, Covilhã
- January 2020 – February 2020 **Trainee**, Espaço informática, Covilhã.

Education

- October 2022 – **M.Sc. Computer Science and Engineering**, Universidade da Beira Interior.
- September 2019 – July 2022 **Computer Science and Engineering**, Universidade da Beira Interior. Thesis title: *Deep Learning-based Semantic Segmentation Models for Interpretable Recognition*. Final Score: 16.3 / 20.
- September 2016 – July 2019 **High School Degree**, Escola Secundária Quinta das Palmeiras. Final Score: 16.7 / 20.

Research Publications

Journal Articles

1. Â. M. R. Morgado and N. G. C. C. Pombo, “Carla-gymdrive: Autonomous driving episode generation for the carla simulator in a gym environment,” *SoftwareX*, vol. 28, p. 101 955, 2024, ISSN: 2352-7110. [DOI: https://doi.org/10.1016/j.softx.2024.101955](https://doi.org/10.1016/j.softx.2024.101955).

Conference Proceedings

1. M. Magalhaes, A. Morgado, H. Jesus, and N. Pombo, “Unlocking the potential of dynamic languages: An exploration of automated unit test generation techniques,” in *2023 IEEE International Conference On Artificial Intelligence Testing (AITest)*, Los Alamitos, CA, USA: IEEE Computer Society, Jul. 2023, pp. 122–126. [DOI: 10.1109/AITest58265.2023.00027](https://doi.org/10.1109/AITest58265.2023.00027).
2. Â. Morgado, C. Gonçalves, and N. Pombo, “Enhancing autonomous vehicles: An experimental analysis of path planning and decision-making processes through simulink-based architecture,” in *2023 IEEE 17th International Conference on Application of Information and Communication Technologies (AICT)*, 2023, pp. 1–9. [DOI: 10.1109/AICT59525.2023.10313190](https://doi.org/10.1109/AICT59525.2023.10313190).

Skills





Languages	Strong reading and writing and speaking competencies for English and Portuguese.
Coding	Java, C++, C, C#, Python, R, SQL, \LaTeX , ...
Main Investigation Focus	Autonomous Driving, Reinforcement Learning, Machine Learning.
Main Interests	Artificial Intelligence, Computer Graphics, Software Development
Databases	MySQL, MariaDB, SQLite.
Web Dev	HTML, CSS, Spring Boot.
Misc.	Academic research, \LaTeX typesetting and publishing.

Miscellaneous Experience



Awards and Achievements

2019  **Merit Award in High School**, Awarded by Covilhã City Council.




Certification

- 2023  **Certificate of Excellence, Hugging Face Deep Reinforcement Learning Course**, Awarded by Hugging Face.
- 2021  **Scrum Foundation Professional Certificate SFPC**. Awarded by CertiProf.
- 2019  **Intermediate R**. Awarded by DataCamp.
-  **Linear Algebra for Data Science in R**. Awarded by Datacamp.

Volunteering

- 2022  **Student Monitor**. Universidade de Verão, Universidade da Beira Interior.
- 2019  **Helper in storing donated goods**. Cruz Vermelha Covilhã.

Misc

- 2023  **Workshop Speaker**. "Workshop de Iniciação a Programação em JAVA", IEEE Student Branch, Universidade do Porto.
-  **Participant**. *Encontro de Estudantes de Engenharia Informática*, Universidade de Aveiro.
-  **Paper presentation**. IEEE Future Technology Summit, Greece.

References

Available on Request