Ângelo Miguel Rodrigues Morgado, M.Sc.

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🌐 https://angelomorgado.github.io/
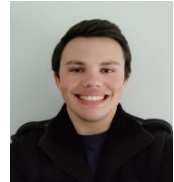
Employment History

December 2024 – ⋯	**ML engineer,** DeepNeuronic, Covilhã
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. 𝒫 DOI: 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. 𝒫 DOI: 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. 𝒫 DOI: 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