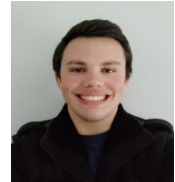


Ângelo Miguel Rodrigues Morgado, M.Sc.

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Employment History

- September 2022 – **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: 16.8 / 20.

Research Publications



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](#).
- 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](#).

Skills

- Languages **Strong reading and writing and speaking competencies for English and Portuguese.**
- Coding **Java, C++, C, C#, Python, R, SQL, L^AT_EX, ...**
- Main Investigation Focus **Autonomous Driving, Reinforcement Learning, Machine Learning.**
- Main Interests **Artificial Intelligence, Computer Graphics, Software Development**
- Databases **MySQL, MariaDB, SQLite.**

Skills (continued)





- 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.

References

Available on Request