DUSTIN CARRIÓN OJEDA

dustin.carrion@gmail.com | Personal Website | DustinCarrion | dustin-carrion | +49 1733545576

EDUCATION

Technical University of Darmstadt | Darmstadt, Germany — October 2022 – December 2026
Ph.D. in Computer Vision — Ongoing

Université Paris-Saclay | Orsay, France — September 2021 – September 2022
M.Sc. in Artificial Intelligence — GPA: 17.9/20 (Summa Cum Laude Recognition)

Yachay Tech University | San Miguel de Urcuquí, Ecuador — October 2015 – September 2020
B.Eng. in Information Technology — GPA: 9.6/10 (Magna Cum Laude Recognition)

EXPERIENCE

Research Assistant — October 2022 – Ongoing
Technical University of Darmstadt and hessian.AI — Darmstadt, Germany
- Conduct research on low-shot learning and multimodal learning for images and videos

Artificial Intelligence Research Intern — March 2022 – September 2022
Laboratoire Interdisciplinaire des Sciences du Numérique (LISN) — Gif-sur-Yvette, France
- Organization of the Cross-Domain MetaDL Competition at NeurIPS 2022
- Creation of Meta-Album which is the largest meta-dataset for few-shot image classification existing today
- Analysis of meta-learning algorithms

Backend Tech Lead — June 2020 – July 2021
ExmerDev — Loja, Ecuador
- CRM development from scratch using Spring Boot, NestJS and Angular
- Microservices development using Spring Boot and NestJS
- DevOps with Docker and AWS
- Database management

Software Developer Consultant — January 2020 – March 2020
Devsu — Quito, Ecuador
- New features implementation in Node.js and Java microservices of BPM system
- Bug fixing in Node.js and Java microservices of BPM system
- Full-stack development for authentication page

Artificial Intelligence Developer — June 2019 – July 2019
SoftWarehouse S.A. — Quito, Ecuador
- Implementation of a support chatbot for a financial institution
- Development of a REST API for message handling
- Creation of a relational database for the storage of conversations for later analysis

Artificial Intelligence Research Assistant — June 2019 – July 2019
Coordination of Computational Sciences of INAOE — Puebla, Mexico
- Electroencephalographic (EEG) signals processing
- Development of a biometric system based on EEG
- Investigation of new biological signals that can be used in biometric systems

Teaching Assistant of Algorithms and Algorithm Analysis — May 2018 – May 2019
Yachay Tech University — San Miguel de Urcuquí, Ecuador
- Recursive functions
- Object-oriented programming
- Data structures & Algorithm complexity analysis
- Machine learning & Deep learning

PUBLICATIONS

- **Carrión-Ojeda, D.**, Roth, S., & Schaub-Meyer, S. (2025). Efficient Masked Attention Transformer for Few-Shot Classification and Segmentation. *Accepted to GCPR*.
- **Carrión-Ojeda, D.**, Martínez-Arias, P., Fonseca-Delgado, R., Pineda, I., & Mejía-Vallejo, H. (2024). Evaluation of features and channels of electroencephalographic signals for biometric systems. *EURASIP Journal on Advances in Signal Processing*, 58, 1–24.
- Pineda, I., **Carrión-Ojeda, D.**, & Fonseca-Delgado, R. (2023). RADENN: A Domain-Specific Language for the RApid DEvelopment of Neural Networks. *IEEE Access*, 11, 86727–86738.
- **Carrión-Ojeda, D.**, Alam, M., Escalera, S., Farahat, A., Ghosh, D., Gonzalez Diaz, T., Gupta, C., Guyon, I., Ky, JR., Lee, XY., Liu, X., Mohr, F., Nguyen, MH., Pintelas, E., Roth, S., Schaub-Meyer, S., Sun, H., Ullah, I., Vanschoren, J., Vidyaratne, L., Wu, J., & Yin, X. (2022). NeurIPS'22 Cross-Domain MetaDL Challenge: Results and lessons learned. *Proceedings of Machine Learning Research (PMLR)*, 220, 50–72.
- Ullah, I., **Carrión-Ojeda, D.**, Escalera, S., Guyon, I., Huisman, M., Mohr, F., van Rijn, JN., Sun, H., Vanschoren, J., & Vu, PA. (2022). Meta-Album: Multi-domain Meta-Dataset for Few-Shot Image Classification. In *NeurIPS 2022 Datasets and Benchmarks Track*.
- **Carrión-Ojeda, D.**, Chen, H., El Baz, A., Escalera, S., Guan, C., Guyon, I., Ullah, I., Wang, X., & Zhu, W. (2022). NeurIPS'22 Cross-Domain MetaDL competition: Design and baseline results. In *ECML/PKDD Workshop on Meta-Knowledge Transfer*, 191, *Proceedings of Machine Learning Research (PMLR)*.
- **Carrión-Ojeda, D.**, Iza, C., & Igartua, MA. (2021). Performance Evaluation of Dissemination Protocols Over Vehicular Networks for an Automatic Speed Fine System *IEEE Access*, 9, 103244–103257.
- **Carrión-Ojeda, D.**, Martínez-Arias, P., Fonseca-Delgado, R., & Pineda, I. (2021). EBAPy: A Python framework for analyzing the factors that have an influence in the performance of EEG-based applications. *Software Impacts*, 8, 100062.
- **Carrión-Ojeda, D.**, Fonseca-Delgado, R., & Pineda, I. (2021). Analysis of factors that influence the performance of biometric systems based on EEG signals. *Expert Systems with Applications*, 165, 113967.
- **Carrión-Ojeda, D.**, Mejía-Vallejo, H., Fonseca-Delgado, R., Gómez-Gil, P., & Ramírez-Cortés, JM. (2019). A method for studying how much time of EEG recording is needed to have a good user identification. In *IEEE Latin American Conference on Computational Intelligence* (pp. 1–6). IEEE.
- Fonseca-Delgado, R., Gómez-Gil, P., Ramírez-Cortés, JM., & **Carrión-Ojeda, D.** (2019). Reconocimiento de Patrones. *El reconocimiento de Patrones y su aplicación a las señales digitales (Academia Mexicana de Computación)*, 1st ed., ch. 2., 15–40.

POSTERS AND PRESENTATIONS

- **Carrión-Ojeda, D.**, Roth, S., & Schaub-Meyer, S. (2023). Analysis of Meta-Learning Methods in a More Realistic Cross-Domain Scenario. Poster presented at *LatinX in Computer Vision Research at ICCV*.
- **Carrión-Ojeda, D.**, Ullah, I., Escalera, S., Guyon, I., Mohr, F., Nguyen, MH., & Vanschoren, J. (2022). Results of the NeurIPS'22 Cross-Domain MetaDL Competition. Poster presented at *Competition Track Program at NeurIPS*.
- **Carrión-Ojeda, D.**, Fonseca-Delgado, R., & Pineda, I. (2020). Analysis of factors that influence the performance of biometric systems based on EEG signals. Poster presented at *LatinX in Artificial Intelligence Research at NeurIPS*.
- **Carrión-Ojeda, D.**, Mejía-Vallejo, H., Fonseca-Delgado, R., Gómez-Gil, P., & Ramírez-Cortés, JM. (2019). Biometric system based on electroencephalogram analysis. Poster presented at *LatinX in Artificial Intelligence Research at NeurIPS*.

HONORS AND AWARDS

- Labex DigiCosme Scholarship, Université Paris-Saclay, France 2021
- Undergraduate Scholarship, IFTH, Ecuador 2015–2020

LANGUAGES

Spanish (Native)
English (Advanced - C1)
German (Intermediate - B1)
French (Beginner - A1)