

Alejandro Baldominos

[CUNEF UNIVERSIDAD](#)
Almansa 101, 28040 Madrid Spain
alejandrobaldominos@cunef.edu
[CUNEF Website](#)
[Google Scholar](#)
[ORCID](#)

EMPLOYMENT

Adjunct Lecturer in the Department of Quantitative Methods at CUNEF Universidad since 2018.

Chief Technology Officer at Smile and Learn since 2022.

Professor and Researcher at Universidad Carlos III de Madrid since 2015.

EDUCATION

PhD. in Computer Science and Technology from Universidad Carlos III de Madrid, 2018.

MSc. in Computer Science and Technology from Universidad Carlos III de Madrid, 2013.

BSc. in Computer Science and Engineering from Universidad Carlos III de Madrid, 2012.

FIELDS OF INTEREST

Artificial intelligence, machine learning, neural networks and evolutionary algorithms.

PUBLICATIONS

Baldominos, A., Saez, Y., & Isasi, P. (2020). On the automated, evolutionary design of neural networks: past, present, and future. *Neural computing and applications*, 32(2), 519-545.

Baldominos, A., Saez, Y., & Isasi, P. (2018). Evolutionary convolutional neural networks: An application to handwriting recognition. *Neurocomputing*, 283, 38-52.

Baldominos, A., Saez, Y., & Isasi, P. (2019). A survey of handwritten character recognition with MNIST and EMNIST. *Applied sciences*, 9(15), 3169.

Baldominos, A., Puello, A., Oğul, H., Aşuroğlu, T., & Colomo-Palacios, R. (2020). Predicting infections using computational intelligence—a systematic review. *IEEE access*, 8, 31083-31102.

Baldominos, A., & Saez, Y. (2019). Coin. AI: A proof-of-useful-work scheme for blockchain-based distributed deep learning. *Entropy*, 21(8), 723.

Baldominos, A., Saez, Y., & Isasi, P. (2019). Hybridizing evolutionary computation and deep neural networks: an approach to handwriting recognition using committees and transfer learning. *Complexity*, 2019(1), 2952304.

Baldominos, A., Saez, Y., & Isasi, P. (2018). Evolutionary design of convolutional neural networks for human activity recognition in sensor-rich environments. *Sensors*, 18(4), 1288.

Baldominos, A., Ogul, H., Colomo-Palacios, R., Sanz-Moreno, J., & Gómez-Pulido, J. M. (2020). Infection prediction using physiological and social data in social environments. *Information Processing & Management*, 57(3), 102213.

SELECTED ACADEMIC HONOURS AND GRANTS

Extraordinary Award for the Ph.D. in Computer Science and Technology.

FPU Grant from the Ministry of Science and Education.

PROFESSIONAL ACTIVITIES

CTO at Smile and Learn since 2022.

Previously Co-Founder and CTO at Blockverse Solutions and Eatin Project.