Jaime Sevilla
Researcher

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GitHub
github.com/Jsevillamol

Research Interests
Artificial Intelligence
Tech Progress
Forecasting
Economics of AI
Global Risk

Programming
Python ★★★★★
Numpy ★★★★☆
Pandas ★★★★☆
Keras ★★★★☆
Tensorflow ★★★★☆
Octave ★★★☆☆
Haskell ★★★☆☆
LaTeX ★★☆☆☆

Languages
Spanish ★★★★★
English ★★★★★

Personal Traits
Creative
Born Leader
Team Player
Curious
Highly Motivated
Learns Fast
Entrepreneur

Experience

04/22 - now **Director & Co-Founder** _Epoch AI_
Research organization investigating trends in Artificial Intelligence.

06/21 - now **Interim Director & Co-Founder** _Riesgos Catastróficos Globales_
Science policy organization promoting cost-effective management of Global Catastrophic Risk in Spanish-Speaking countries.

10/19 - now **Research Affiliate** _Center for the Study of Existential Risks, University of Cambridge_
Working on forecasting the impact of new technologies – such as Artificial Intelligence and Quantum Computing.

12/21 - 04/22 **Contractor Research Engineer** _Open Philanthropy_
Working on implementing macroeconomical models of AI and automation.

07/20 - 12/21 **Early Stage Researcher** _Aberdeen University_
Working as a PhD student on explainable Artificial Intelligence under a Marie Skłodowska-Curie grant from the European Commission.

07/19 - 09/19 **Summer Research Fellow** _Future of Humanity Institute, University of Oxford_
Working on macrostrategy questions related to research prioritization, interactions between quantum computing and AI, and foundations of decision-making.

07/18 - 07/19 **Research Intern** _Grupo de Altas Energías, UCM_
Collaborating as a Deep Learning specialist with a High-Energy Astrophysics international research program on Cherenkov Telescope Arrays, developing novel Deep Learning models for background suppression.

01/19 - 05/19 **Deep Learning Engineer** _xplore.ai_
Working as an academic expert on Computer Vision problems and Deep Learning. My role involved researching, improving and deploying state-of-the-art Deep Learning algorithms.

Education

09/14 - 06/19 **BSc Mathematics and BSc Computer Engineering** _UCM, Spain_
Main subjects (see full curriculum): Software Engineering, AI, Algorithm Design, Programming Technologies, Algebra, Calculus, Statistics, Geometry.

06/19 **Principles of economics** _Marginal Revolution University, online_
Took two online courses on _Microeconomics_ and _Macroeconomics_.

02/18 **Deep Learning specialization** _deeplearning.ai_
Deep Neural Networks, Hyperparameter Tuning, Structuring Machine Learning Projects, Convolutional Neural Networks, Recurrent Neural Networks.

09/16 **Human Centered Computing 2016 School** _University of Bremen, Germany_
Competitively selected to participate in the Young Research Forum on AI.

Select Publications

June 2023	**Gestión de riesgos de la inteligencia artificial en España**	RCG
May 2023	**Please Report Your Compute** Published in: Communications of the ACM. Volume 66. Issue 5	Epoch
Feb 2022	**Compute Trends Across Three Eras of Machine Learning** Published in: 2022 International Joint Conference on Neural Networks (IJCNN)	Epoch
Nov 2021	**Finding, Scoring and Explaining Arguments in Bayesian Networks**	Aberdeen University
Nov 2021	**Persistence: A Critical Review**	Forethought Foundation
Nov 2021	**Catástrofes y protección civil en España**	RCG
Sept 2020	**Forecasting Timelines of Quantum Computing**	CSER
Dec 2019	**CTLearn: Deep Learning for Gamma-ray Astronomy** The article was accepted in the 2019 International Cosmic Ray Conference.	UCM

Grants, Honors and Prizes

April 2023	**Epoch general support grant** $6.9M grant awarded to support Epoch.	Open Philanthropy
June 2022	**Epoch general support grant** $1.9M grant awarded to support Epoch.	Open Philanthropy
July 2020	**NL4XAI Marie Słodowska-Curie grant** Grant to support my participation in a PhD on explainable AI as part of the NL4XAI program.	European Commision
Jul 2019	**Sngular University Research Award** Awarded for my work on Deep Learning Applied to the classification of events from Imaging Atmospheric Cherenkov Telescopes.	Sngular
Oct 2018	**2nd Prize Mathematical Modeling Contest** Awarded for the development of an optimization model for multiperiod supply and production planning.	Instituto de Matemática Interdisciplinar
June 2018	**1st Prize AI4Good Advanced Challenge** Awarded for a mammography anomaly detector using CNNs.	IBM, Terminus7AI
March 2018	**National 7th place Hashcode 2018** Algorithm engineering hackathon for teams.	Google
Feb 2016	**Second Prize HackForGood 2016** App development Hackathon.	Telefónica, MashMe, ETSIT UPM
Feb 2016	**Top 10 Olimpiada Iberoamericana de Matemáticas Universitaria** International Math Olympiad for Spanish-speaking countries.	OIMU
2012	**Zero Robotics 1st Prize European Phase** Programming of a microsatellite in C++ to pick up spacial debris. Code was tested in microsatellites within the International Space Station(ISS).	ESA, NASA, ESTEC