MANUEL LECHA

manuellecha.com

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OBJECTIVE

Make the world a better place to be in. I also love working with maths and computers.

EXPERIENCE

PhD Student - Mathematics and Computer Science   Nov 2022 - Present
University of Barcelona   *Barcelona, Spain*

- Geometric Deep Learning and Generative Models for 3D Bodies.

Graduate Research Assistant   Oct 2021 - Dec 2021
Excellence María de Maetzu grant at IRI (CSIC-UPC)   *Barcelona, Spain*

- Implemented a self-expressive network for subspace clustering in a human motion segmentation learning algorithm using Python.

Data Analyst   Mar 2021 - Sep 2021
KPMG   *Madrid, Spain*

- Implemented new features and fixed bugs in existing credit risk models according to legal and customer requirements using SAS.
- Analysed undocumented existing code and its functionalities and wrote software documentation for improving the team's future efficiency.
- Introduced efficiencies into the existing workflow such as Agile frameworks.

Data Analyst Intern   Dec 2020 - Mar 2021
IMath Sherpa   *Barcelona, Spain*

- Implemented ML models to classify companies regarding their ESG data using Python.
- Modelled financial products to build socially responsible investment portfolios using Python.
- Investigated companies to obtain additional data and find inconsistencies with respect to the available data.

EDUCATION

Master of Advanced Mathematics and Mathematical Engineering,   Sep 2021 - Oct 2022
Polytechnique University of Catalonia

Bachelor of Computer Science and Software Engineering,   Sep 2015 - Feb 2021
University of Barcelona

Bachelor of Mathematics,   Sep 2015 - Feb 2021
University of Barcelona

EDUCATION ABROAD

University of Warwick (4th Year),   Sep 2018 - Jul 2019
Bachelor of Mathematics Study Abroad Program

OTHER COURSES

Postgraduate Diploma in Financial Mathematics,   Oct 2020 - Jun 2021
Polytechnique University of Catalonia