



TO MAGNIFICA RETTRICE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE ____7101____

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di ____ Scienze e Politiche Ambientali dell'Università degli Studi di Milano____

Scientist- in - charge: _____Benfenati Alessandro_____

[Name and surname] Rongjiao Ji

CURRICULUM VITAE

PERSONAL INFORMATION

| | |
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| Surname | Ji |
| Name | Rongjiao |

PRESENT OCCUPATION

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|-----------------------------|---------------------------------------|
| Appointment | Structure |
| Adjunct Assistant Professor | Nova School of Business and Economics |

EDUCATION AND TRAINING

| Degree | Course of studies | University | year of achievement of the degree |
|-----------------------------------|---|--|-----------------------------------|
| Degree | Master of Science in Mathematics and Applications | Instituto Superior Técnico, Lisbon, Portugal | 2017 |
| Specialization | | | |
| PhD | Mathematical Sciences | University of Milan | 2023 |
| Master | | | |
| Degree of medical specialization | | | |
| Degree of European specialization | | | |
| Other | B.Sc.in Mathematical Sciences | Dalian University of Technology, China | 2016 |



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

| Date registration | of Association | City |
|-------------------|---|------------------|
| September 2023 | Data Science Knowledge Center, Nova SBE | Lisbon, Portugal |
| March 2019 | Marie Curie Alumni Association | Milan, Italy |
| January 2018 | Institute For Systems and Robotics | Lisbon, Portugal |

FOREIGN LANGUAGES

| Languages | level of knowledge |
|------------|--------------------|
| English | C1 |
| Chinese | Native Speaker |
| Italian | A2 |
| Portuguese | B1 |

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

| Year | Description of award |
|-----------|---|
| 2019-2022 | Marie Skłodowska-Curie Grant No. 812912 under European Union Horizon 2020 in Italy |
| 2021 | American Association for the Advancement of Science (AAAS) Annual Meeting, "Meet my Avatar", Graduate Student Third Place in Student Poster Session |
| 2018 | Smart City Sense Program Fellowship under LISBOA-01-0247-FEDER-017906 in Portugal |

TRAINING OR RESEARCH ACTIVITY

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| <p>Mathematical morphology for the prediction of face expression transition:</p> <ul style="list-style-type: none">□ This project received funding from the European Union's Horizon 2020 MSCA-ETN-EID "Big Data Challenges for Mathematics (BIGMATH)", under the Marie Skłodowska-Curie Grant Agreement. Based on the cooperation between University of Milan and the Serbian company 3Lateral, which has special expertise on building visual styles and designs in animation movies, the aim is to explore functional statistical instruments to identify the emotions while analyzing the expressions through recorded videos of human faces. <p>4EU+ Events, Mathematical and Computational Methods in Science:</p> <ul style="list-style-type: none">□ Mathematical and Computational Methods for Challenging Applications Summer School was held from 21 to 25 September, 2020, at Heidelberg University. It gathered around 30 postgraduate students and young researchers from three 4EU+ member universities. <p>Understanding Heterogeneity of Investor Sentiment on Social Media:</p> <ul style="list-style-type: none">□ This work explicitly considers how investor sentiment about financial market events is shaped by the relative discussions of different types of investors. This work was funded by Fundação para a Ciência e a Tecnologia (UID/ECO/00124/2019, UIDB/00124/2020 and Social Sciences Data Lab, PINFRA/22209/2016), |
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POR Lisboa and POR Norte (Social Sciences Data Lab, PINFRA/22209/2016), and European Union's Horizon 2020 Research and Innovation Programme under the Marie Skłodowska Curie grant agreement No 812912 for the project BIGMATH.

Smart City Sense:

□ Smart City Sense is a P2020 project at Institute For Systems and Robotics, University of Lisbon, under LISBOA-01-0247-FEDER-017906. It aims to place citizens as significant elements of the process of collecting information about the city. The objective is to aggregate and analyze heterogeneous data, to model the city and its physical and functional relations and city's heartbeat to the citizens and authorities in a clearer and more vivid way.

Training on scientific writing and publication: one-week course held by University of Lisbon, Oct. 2019.

PROJECT ACTIVITY

| Year | Project |
|------|---|
| 2024 | Predicting Students Evaluation Performance for Master's Program Applications with Data-driven Machine Learning Techniques at Data Science Knowledge Center, Nova SBE. |
| 2023 | Web Development for Lab Experiment: Evaluating the Impact of AI-Generated Ads on User Engagement and Conversions through Tracking Customer Online Behavior, at Data Science Knowledge Center, Nova SBE. |
| 2022 | Invited Reviewer for Journal Electronic Commerce Research (ELEC). |
| 2017 | Volunteer for Web Summit International Technology Conference, Lisbon. |
| 2016 | Exchange Program between Dalian University of Technology and University of Lisbon. |

PATENTS

| Patent |
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CONGRESSES AND SEMINARS

| Date | Title | Place |
|------|--|---------------------|
| 2022 | 32 nd European Conference on Operations Research (EURO) Conference in Session Statistical learning in Big Data. | Espoo, Finland |
| 2021 | Research Presentation on Applied CI, ACM Collective Intelligence Conference 2021. | Copenhagen, Denmark |
| 2021 | 21st European Consortium for Mathematics in Industry (ECMI) Virtual Conference on Industrial and Applied Mathematics. | Wuppertal, Germany |
| 2020 | Virtual seminars on complexity #6, Center for Complexity & Biosystems, Unimi. | Milan, Italy |



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| 2019 | European Consortium for Mathematics in Industry (ECMI) Modelling Week. | Sevilla, Spain |
| 2018 | Post Session in Laboratory for Robotics and Engineering Systems (LARSyS). | Lisbon, Portugal |

PUBLICATIONS

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| Books |
| PhD thesis: Functional Statistical Learning Methods Applied to Human Emotion Recognition from Facial Videos / R. Ji ; tutor: A. MICHELETTI, N. K. JERINKIC, Z. DESNICA ; coordinatore: Dario Bambusi. Università degli Studi di Milano, 2023 Jun 15. 34. ciclo, Anno Accademico 2021. |

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| Articles in reviews |
| Ji R and Han Q (2022) Understanding heterogeneity of investor sentiment on social media: A structural topic modeling approach. Front. Artif. Intell. 5:884699. doi: 10.3389/frai.2022.884699. |
| R. Ji, A. Micheletti, N. Krklec Jerinkic, Z. Desnica, Functional statistics for human emotion detection. ECMI ANNUAL REPORT. - ISSN 2616-7867. - 2020:(2020 Apr 02), pp. 26-30. |

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| Congress proceedings |
| R. Ji, A. Micheletti, N. Krklec Jerinkic, Z. Desnica, Emotion pattern detection on facial videos using functional statistics = Riconoscimento di pattern emozionali in video di volti attraverso la statistica funzionale - In: Book of short papers - SIS 2021. C. Perna, N. Salvati, F. Schirripa Spagnolo. Eds. - : Pearson, 2021. - ISBN 9788891927361. - pp. 789-794. |
| R. Ji, Q. Han, Stocks in Tweets Today: exploring heterogeneous investor sentiment on social media, 9th ACM Collective Intelligence Conference 2021 (CI-2021), Copenhagen, Denmark, 2021. |

OTHER INFORMATION

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| Teaching Master Courses, Courses: Data Curation (~220 students), Data Visualization (~240 students), Digital Experimentation (newly introduced), Nova School of Business and Economics, 2022-2024. |
| Master Thesis Supervision (~25 students), 2022-2024, Selected Work: <ul style="list-style-type: none">•Automatic patient-oriented symptom checker and diseases diagnose.•Making open-ended questions attractive: Leveraging topic modeling to evaluate survey responses.•Recommendation system for car insurance for a national insurance company.•Product design of a designer-centered image recommender with the integration of AI tools. |
| Secondment of Ph.D. program, R&D Department in the Company 3Lateral, Human Facial Virtual Reconstruction, Novi Sad, Serbia, 2019. |

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and



sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: _____Lisbon_____, _____18/01/2025_____