Personal information

Name / Surname	**Valeria, Ruscio**

Education and training

Title of qualification awarded	Ph.D.
Principal subjects	Probing for encoded knowledge in attention-based Large Language Model
Thesis title	"Analyzing Large Language Models: Bridging Linguistics and Applied Mathematics"
Institution	Sapienza University of Rome
Dates	Oct. 2020 - 08 March 2024
Expected date of defence	March 2024
Location	Rome, Italy

Role	Researcher (assegno di ricerca)
Principal subjects	Probing for encoded knowledge in attention-based Large Language Model
Institution	Sapienza University of Rome, Department of Department of Computer, Control and Management Engineering
Dates	Apr. 2023 - Oct. 2023
Location	Rome, Italy

Role	Visiting Ph.D. student
Principal subjects	Studying attention-based Large Language Model
Institution	KAIST
Dates	Apr. 2022 - Oct. 2022
Location	Daejeon, South Korea

Title of qualification awarded	Master's Degree
Principal subjects	Asian Languages and Linguistics, Korean Language curriculum
Institutions	Hanyang University and Sapienza University of Rome
Dates	Dec. 2016 - Gen. 2019
Degree type	Double degree (Both from South Korean and Italy)
Location	Rome, Italy and Seoul, South Korea

Title of qualification awarded	Bachelor's Degree
Principal subjects	Asian Languages and Linguistics, Korean Language curriculum
Institution	Sapienza University of Rome
Dates	Sep. 2013 - Dec. 2016
Location	Rome, Italy

Publications

Paper	"*Attention-likelihood relationship in transformers*" at ICLR 2023
Paper (journal)	"*Synonymy in Korean Lexicon through the lens of vector semantics*" in "Percorsi in Civiltà dell'Asia e dell'Africa II: Quaderni di studi dottorali alla Sapienza"

Scholarships

Name of the Scholarship	International mobility for Ph.D. students
Principal subjects	Studying attention-based Large Language Model
Granting Institution	Sapienza University of Rome
Hosting Institution	KAIST
Dates	Apr. 2022 - Oct. 2022
Location	Daejeon, South Korea

Roles at Conferencs

Outstanding Reviewer Award	at "*ECIR 2024*", European Conference on Information Retrieval
Program Committee	at "*SIGIR 2024*", Special Interest Group on Information Retrieval
Program Committee	at "*UniReps: Workshop Unifying Representations in Neural Model*" NeurIPS, New Orleans (USA) December 15th 2023
Panelist	Talk: "*Analyzing semantics in Korean language through Conterfactual Question Answering*" at "31st AKSE conference" (Association for Korean Studies in Europe) held in Copenhagen in June 2023
Organizing Chair	Conference: "*Squid Game and the key factors of Hallyu: dissecting the socio-cultural impact of K-Dramas in Italy*" held at Sapienza university of Rome, Italy in Apr. 2022
Invited Speaker	Talk: "*Synonymy in Korean Lexicon through the lens of vector semantics*" at 1st KSYS (Korean Studies Young Scholars) Workshop held in Venice, Italy in Nov. 2021
Invited Speaker	Talk: "*Token semantic relevance through attention: a Question Answering case study*" at 2st KSYS (Korean Studies Young Scholars) Workshop held in Napoli, Italy in Nov. 2022

Work experience

Company	Babelscape s.r.l.
Dates	Nov. 2019 - Gen. 2022
Occupation or position held	Computationa Linguists
Main activities and responsibilities	

- Providing morphological annotations in Korean, Italian and English;

- Managing a team of linguists working on different annotation tasks;

- Working on knowledge bases;

- Experience in nlp pipeline-related tasks (like tokenization, compounding, multiworld expansion, named entity recognition, pos tagging and such) especially when the focus is some Asian languages (as Korean, Chinese, Japanese, Indonesian, Thai)

	World link translation
Company	World link translation
Dates	Dec. 2017 - Oct. 2019
Occupation or position held	Translator
Main activities and responsibilities	translating medical, legal, and scientific documents from English into Italian, from Italian into English, from Korean into English and from Korean into Italian.

Personal skills and competences

Mother tongue	**Italian**
Other language(s)	

Self-assessment
European level[(*)]

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
Korean	B2	B2	B1	B1	B2

[(*)]*Common European Framework of Reference* (CEF) level

Roma (RM), April 3, 2024

Place and date

Name Surname