

# Arkadiusz Modzelewski

## Double Degree PhD Student under Cotutelle Agreement

University of Padua, Italy

Polish-Japanese Academy of Information Technology, Poland

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## Profile

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A cotutelle PhD student jointly enrolled at the University of Padua and the Polish-Japanese Academy of Information Technology, researching disinformation and persuasive language with language models. Published in top-tier NLP and AI venues (e.g., ACL, EMNLP, EACL) and actively engaged in the NLP community as an ACL Rolling Reviewer. Recognized as a great reviewer for top-tier EMNLP and ACL conference. Holds a Master's degree from the University of Bonn, ranked 68th globally by the Shanghai Ranking 2025.

## Education

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PhD	<b>University of Padua</b> <i>Brain, Mind &amp; Computer Science (BMCS)</i>	Italy, Padua Since 10.2023
	<ul style="list-style-type: none"><li>• Double PhD student under Cotutelle Agreement</li><li>• Thesis Topic: Leveraging Persuasion and Intent for Analysis and Reasoning-based Detection of Disinformation with Large Language Models</li><li>• Supervisor: <a href="#">Prof. Giovanni Da San Martino</a> </li><li>• According to the Shanghai Ranking 2025 and QS World University Rankings 2025 by Subject: Engineering &amp; Technology among 200 best universities in the world.</li></ul>	
PhD	<b>Polish-Japanese Academy of Information Technology</b> <i>Computer Science</i>	Poland, Warsaw Since 10.2022
	<ul style="list-style-type: none"><li>• Double PhD student under Cotutelle Agreement</li><li>• Thesis Topic: Same topic as at the University of Padua.</li><li>• Supervisor: <a href="#">Prof. Adam Wierzbicki</a> </li></ul>	
M.Sc.	<b>Rheinische Friedrich-Wilhelms-Universitaet Bonn</b> <i>Economics, Grade 2.0 (max 1.0)</i>	Germany, Bonn 10.2018 - 09.2020
	<ul style="list-style-type: none"><li>• Specialty: Econometrics &amp; Statistics</li><li>• Thesis Topic: Anomaly Detection for Time Series Data with Long Short-Term Memory Artificial Recurrent Neural Network.</li><li>• According to the Shanghai Ranking 2025: 68th best university in the world, 41st by subject Economics</li></ul>	
B.Sc.	<b>SGH Warsaw School of Economics</b> <i>Quantitative Methods in Economics and Information Systems, Grade 4.5 (max 5.0)</i>	Poland, Warsaw 10.2015 - 07.2018
	<ul style="list-style-type: none"><li>• Thesis Topic: Comparative Analysis of Backtesting Risk Estimation Methods for VaR and ES: An Empirical Study on Polish Stock Indices WIG20, mWIG40, and sWIG80.</li></ul>	
B.Eng.	<b>Warsaw University of Technology</b> <i>Computer Science, Grade 4.5 (max 5.0)</i>	Poland, Warsaw 10.2013 - 02.2018
	<ul style="list-style-type: none"><li>• Thesis Topic: Simulations and Development of City-Scale Traffic Organization Schemes: Modeling, Forecasting, and Applications.</li></ul>	

## Academic Experience

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NASK National Research Institute Poland, Warsaw (part-time)  
*Senior NLP Specialist* Since 08.2025

- Combining professional and academic work on AI research in disinformation.
- NASK is one of Poland's leading public research and development organizations, responsible for national cybersecurity, contributing to the development of the Polish LLM (PLLuM), and advancing Polish AI safety.

Polish-Japanese Academy of Information Technology Poland, Warsaw (part-time)  
*AI Researcher* 02.2025 - 12.2025

- Taking part in research project on AI in Education.

University of Padua Italy, Padua  
*PhD Student Researcher and Teaching Assistant* 10.2024 - 07.2025

- Research stay and taking part in PhD classes to fulfill Cotutelle Agreement requirements for double PhD degree and cooperation with NLP Research Group led by Prof. Giovanni Da San Martino
- Cooperation with Prof. Giovanni Da San Martino on providing laboratories for Master students on Natural Language Processing at Department of Mathematics.
- Remotely cooperation is still ongoing as I am a PhD Student at two universities.

## Professional Experience

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C.H.Beck Poland, Warsaw (part-time)  
*NLP Engineer* 11.2023 - 12.2024

Adform Poland, Warsaw (part-time)  
*Data Scientist* 09.2022 - 11.2023

Publicis Groupe Poland Poland, Warsaw (full-time)  
*Machine Learning Specialist* 10.2021 - 09.2022

Cube Group S.A. Poland, Warsaw (full-time)  
*Data Scientist* 10.2020 - 09.2021

## Conferences and Public Oral Speeches

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EACL 2025 Morocco, Rabat  
*CORE A conference Paper Author (Oral) and Co-Author of second Paper* 03.2026

EMNLP 2025 China, Suzhou  
*CORE A\* conference Paper Co-author (Poster)* 11.2025

Polish Academy of Sciences Poland, Warsaw  
*Presented seminar titled: The Why and How of Disinformation: Datasets, Methods and Language Models Evaluation.* 10.2025

ACL 2025 Austria, Vienna  
*CORE A\* conference Paper Author (Poster)* 07.2025

EMNLP 2024 USA, Miami  
*CORE A\* conference Paper Author (Poster) and Co-Author of second Paper* 11.2024

## Awards and Certificates

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International Institute of Information Technology Bangalore India, Bangalore  
*Postgraduate Certificate in Machine Learning and Deep Learning* 10.2020 - 06.2021

DAAD: German Academic Exchange Service Germany, Bonn  
*Scholarship Holder for Study of All Disciplines 19/20* 10.2019 - 10.2020

## Academic Activities

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IJCNLP-AAACL 2025 CORE B conference Reviewer (ARR July) - Recognized as <b>Great Reviewer</b>	India, Mumbai 12.2025
EMNLP 2025 CORE A* conference Reviewer (ARR May) - Recognized as <b>Great Reviewer</b>	China, Suzhou 11.2025
ACL 2025 CORE A* conference Reviewer (ARR February) - Recognized as <b>Great Reviewer</b>	Austria, Vienna 06.2025
Polish-Japanese Academy of Information Technology Doctoral Student Body President	Poland, Warsaw 10.2022 - 10.2023

## Research Projects

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EUonAIR An initiative dedicated to introducing AI into curricula and promoting academic mobility across Europe; European Universities, Erasmus+ Program, Co-investigator	International Project 01.2025 - 12.2028
Infotester4Education Development and implementation of AI education methods and digital tools supporting tackling disinformation; Partnerships for cooperation, Erasmus+ Program, Co-investigator	International Project 04.2024 - 03.2027
SlavicNLP Slavic Natural Language Processing: Detection and Classification of Persuasion Techniques in Slavic Languages; ACL SIGSLAV-sponsored SlavicNLP Shared Task, Co-investigator	International Project 03.2024 - 08.2025

## Volunteer Work

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The Forum of Nowoczesna Youth International Officer of Nowoczesna Youth (political youth organization)	Poland, Warsaw 2018 - 2019
The Forum of Nowoczesna Youth Vice President of Nowoczesna Youth (political youth organization)	Poland, Warsaw 2018 - 2019

## Selected Publications

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Can AI-Generated Persuasion Be Detected? Persuaficial Benchmark and AI vs. Human Linguistic Differences ACL Main Conference (accepted and soon to be presented)	USA, San Diego 07.2026
DiNO: Disinformation Narrative Observer ACL Main Conference (accepted and soon to be presented)	USA, San Diego 07.2026
MALicious INTent Dataset and Inoculating LLMs for Enhanced Disinformation Detection EACL Main Conference Paper First Author	Morocco, Rabat 03.2026
Detecting Winning Arguments with Large Language Models and Persuasion Strategies EACL Findings Conference Paper Second Author	Morocco, Rabat 03.2026
DiNaM: Disinformation Narrative Mining with Large Language Models EMNLP Main Conference Paper Second Author.	China, Suzhou 11.2025
PCoT: Persuasion-Augmented Chain of Thought for Detecting Fake News and Social Media Disinformation ACL Main Conference Paper First Author.	Austria, Vienna 07.2025
MIPD: Exploring Manipulation and Intention In a Novel Corpus of Polish Disinformation EMNLP Main Conference Paper First Author.	USA, Miami 11.2024
EU DisinfoTest: a Benchmark for Evaluating Language Models' Ability to Detect Disinformation Narratives EMNLP Findings Conference Paper Second Author.	USA, Miami 11.2024