Andrei Nuțaș
andrei.nutas@gmail.com|

Education

PhD Ethics of Artificial Intelligence   Oct 2020 – Present
West University of Timisoara   Timisoara, Romania

- Defining an approach to evaluate the ethics inherent in a Natural Language Processing model using trolley problems and dynamic checklists; coded in Python
- Developing a website where people can vote whether GPT3 passes an ethical version of the Turing test
- Published 2 academic papers with 2 more awaiting publishing and 1 under peer-review
- Participated at 10 conferences
- Taught 3 undergraduate courses: introduction to philosophy, axiology, intercultural philosophy

MSc Philosophical Counseling and Consultancy   Oct 2016 – Jun 2018
West University of Timisoara   Timisoara, Romania

- Top of my class
- In my second year, was teaching assistant in philosophical counseling for my juniors

BSc Economics and International Affairs   Oct 2013 – Jun 2016
West University of Timisoara   Timisoara, Romania

- Best Dissertation of my class (97%)
- Was awarded multiple prizes at economic paper competitions including 1st place in the Finance and Monetary Paper Competition organized by the National Bank of Romania

BSc Visual Effects   Oct 2012 – Jul 2013
Bradford University   Bradford, UK

- Finalized the year with first (72%)
- Renounced as I realized that I do not want to pursue a career in this domain

Mathematics and Computer Science   Sep 2008 – Jul 2012
Nikolaus Lenau   Timisoara, Romania

- Graduated with double degrees: German Abitur and Romanian Baccalaureate
- Was awarded multiple prizes at local IT competition, Noi Info
- Participated in multiple international programs including Model UN and Model European Parliament

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Work Experience

Senior Staff Engineer (Quality Assurance)   Nov 2019 – Present
Nagarro   Remote

- Developing an AI/ML testing accelerator for ethical Natural Language Processing testing
- Leading R&D effort into AI testing and implementation strategies – part of our findings were published paper In German Testing Magazine
- Working on a book on Emerging Technology testing together with two of the company's Directors (expected to be finalized next year)
- Developing the Test Automation Framework of a client; C#
- Worked in C# with Selenium, used SSMS and Postman and managed the projects through Azure DevOps

Freelance Developer   Nov 2021 – Feb 2022
Self Employed   Remote

- For Morningstar – Developed Research Tool based on a Python Google Search library
- for BMW Germany's marketing team:
  - Developing Tableau CRM reports, worked in SOQL
  - Creating Datasets in Tableau CRM with Recipes
  - Developed an ETL to handle unstandardized data (experimented with random forest), worked in Python

Salesforce Analyst   May 2017 – Nov 2019
Nokia   Timisoara, Romania

- Transforming Nokia Europe Monthly Business Review by transitioning to Einstein Analytics (current Tableau CRM)
- Transforming processes so that they can be automated
- Engaged in change management and digital evangelism with the aim of transitioning Nokia Sales Operations Europe into Ops. 4.0

Research Analyst   Oct 2015 – May 2017
The Smart Cube   Timisoara, Romania

- Conducted tailored research at a micro- and macroeconomic level pertaining to client requirements
- Assisting Category Managers and C-level executives by providing key decision-making insights
- Work encompassed:
  - Market analysis (competitive landscape; market trends; market size, growth and forecast; PESTEL analysis; industry best practices; and case studies)
  - Company profiles (financial and strategy analysis; stock performance; main competitors; key metrics; and SWOT analysis)
  - Supply-chain analytics (sourcing strategies and best practices, supplier risk and contract pricing arrangement)

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Courses and Certifications

Google Cloud Machine Learning Certification   Oct 2022 – Present
Google   Remote

- Aiming to become a certified to implement ML solutions on google cloud platform

Consulting Masterclass   May 2022 – Dec 2022
Nagarro   Remote

- Learned Wicked Problem Solving and Design Thinking approaches to collaborative problem solving
- Developed consulting methodology using the above for innovation consulting
- Developed deliverables, timeline, resources, ROI, and cost estimation for engagement

Machine Learning: Algorithms in the Real-World   Sep 2020 – Dec 2020
University of Alberta   Remote

- Specialization included 4 courses, which covered ML software development life cycle, Supervised Learning Algorithms using scikit learn, Feature Engineering using numpy and pandas, and corporate communication around ML

Machine Learning   May 2020 – Sep 2020
University of Washington   Remote

- 4 course specialization covering both Supervised and Unsupervised learning with a focus on Linear and Logarithmic Regressions, Decision Trees, Boosting, K-mean, and Latent Dirichlet Allocation

CS50's Introduction to AI with Python   May 2020 – Jun 2020
Harvard   Remote

- 10 module course that goes through graph search algorithms, classification, optimization, reinforcement learning and other AI topics

STAT110x: Introduction to Probability   Jun 2020 – Jun 2020
Harvard   Remote

- 7 Module course that provided a overview into probability by covering randomness and uncertainty, random variables, probability distribution and problem solving

Computational Thinking using Python   May 2020 – Jun 2020
MIT   Remote

- 2 course specialization covering data structures, computational thinking, data science, and algorithms