Andrei Nuțaș
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Education

PhD Ethics of Artificial Intelligence
West University of Timisoara

Oct 2020 – Present

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
West University of Timisoara

Oct 2016 – Jun 2018

Timisoara, Romania

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

BSc Economics and International Affairs
West University of Timisoara

Oct 2013 – Jun 2016

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
Bradford University

Oct 2012 – Jul 2013

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
Nikolaus Lenau

Sep 2008 – Jul 2012

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