Ioannis Linardos

Contact details

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Visa status: EU national (sponsorship required in the UK)

Personal Profile

I am a conscientious and action-oriented Data Scientist with qualifications in Computer Science and Applied Mathematics. I am looking for an entry-level position or paid internship as a data scientist, data analyst or machine learning practitioner. I have a passion for making sense of data and extracting the value hidden in them. I have approximately two years of experience in academic and industrial projects, specializing in machine learning, statistics, operations research and data management. I also followed courses in philosophy, psychology and management.

Education

09.2019-11.2021: University of Twente, MSc, Applied Mathematics
- GPA: 8.3/10 (master thesis pending)
- Specialization in Mathematics of Data Science
- Relevant coursework: Machine Learning, Deep Learning, Reinforcement Learning, Statistics, Big Data, Network Science, Operations Research, Probabilistic Programming
- Completed Honours Programme: "Change Leaders Track" (a programme focused on personal development, leadership skills and change management)

09.2016-07.2019: University of Twente, BSc, Computer Science and Applied Mathematics (double degree)
- GPA: 8.1/10 (Cum Laude)
- Completed Honours Programme: "Philosophy Track"

09.2012-06.2015: National Technical University of Athens, Greece, Mechanical Engineering (withdrew)
- GPA: 8.6/10
- Christos Papakyriakopoulos award (for top performance in mathematics)

Work Experience

09.2018-Present: University of Twente, Enschede, The Netherlands – Teaching Assistant
- Assisted in teaching:
  - BSc level Mathematics (Calculus, Linear Algebra, Probability Theory, Statistics)
  - Python programming
- Participated in grading of projects and exams

09.2020-12.2020: Sioux Technologies, Eindhoven, The Netherlands – Research Intern
- Implemented a deep learning framework for signal quality assessment on fetal heart rate data
- Framed the problem as anomaly detection using autoencoders and Generative Adversarial Networks
- Utilized TensorFlow/Keras, NumPy, SciPy and scikit-learn
- Contacted with external customers and incorporated their requirements
- Grade: 8.5/10

02.2019-05.2019: Hospital Group Twente, Hengelo, The Netherlands – Student Trainee
- University-industry collaboration
- Built interactive web platform as an annotation tool to facilitate medical reporting using Java, JavaScript and SQL
- Integrated Natural Language Processing tool for automatic annotation
- Incorporated requirements of end-users

06.2015-09.2015: Aluminum of Greece, Paralia Distomou, Greece – Engineering Intern
- Data entry and data wrangling/cleaning
- Used spreadsheet and office software (primarily MS Excel)

09.2011-06.2012: Hellenic Army, Cyprus – Military Service
- Served in Special Operation Forces
- Promoted to non-commissioned officer (corporal)
- Led squad of 20 privates on daily chores

Other Projects

03.2021-Present: Effects of Behaviour Adaptation on the Spread of Infectious Disease on Networks with Community Structures (Master Thesis)
- Simulating the spread of infectious disease (using digital twin technology)
- Research on the effects of network structure on disease spread using Graph Theory
- Stochastic modelling of the development of dynamic systems using differential equations

11.2019-01.2020: Twitter Reaction on the Moscow Protests 2019
- Scrapped Twitter data (250 GB) related to the Moscow protests and conducted quantitative and sentiment analysis (Natural Language Processing)
- Examined the correlation between tweets and event attendance
- Big data wrangling and analysis using Apache Hadoop and Apache Spark

11.2019-01.2020: Style Transfer via CycleGAN
- Used Generative Adversarial Networks to perform emoji style transfer
- Utilized PyTorch

02.2019-06.2019: Multiscale Convolutions for Neural Networks (Bachelor Thesis)
- Built Convolutional Neural Networks for audio classification using TensorFlow/Keras
- Developed methods to scale the trained networks so that they can be used with higher and lower resolution recordings
- Grade: 8/10

Computer Skills
- Experienced in: Python, SQL, Java, Linux systems
- Exposure in: R, Spark, Hadoop, MATLAB, JavaScript, C

Languages
Greek (native) – English (fluent) – French (intermediate) – Dutch (beginner)

Voluntary Work

05.2019-11.2020: T.S.V. Pro Deo (improvisation theatre association), Enschede, The Netherlands – Secretary
- Responsible for the flow and storage of information in the association
- Implemented change intervention by adapting improvisation theatre and social activities during the COVID-19 pandemic

11.2018-01.2019: WINS Foundation, Bali, Indonesia – Volunteer Teacher
- Taught English, computer skills and mathematics to elementary and secondary school students
- Conducted field study on the motivations of volunteers