Elena Markoska

Data Scientist

👤 Profile

A reliable, cordial, and energetic individual whose priority is productivity and efficiency. Competent in several technical and social disciplines, yet constantly striving towards self-improvement and skill enhancement. Possesses excellent organizational, leadership, and problem solving skills, and delights in tackling challenges with various complexities.

💼 Employment History

Research Data Scientist, Bank of England
October 2020 – Present

- Corporate finance: analysis of SME government support measures during COVID, and SME resilience to inflation given varying leverage levels; using Experian data to inform MPC/FPC
- Improved methodology and accuracy of Plausi time series anomaly detection
- Analysis of the influence of interest rises on mortgage choices

Research Scientist, University of Southern Denmark
August 2019 – July 2020

- Development of Data Clearing House in partnership with CSIRO Australia. Mining requirements from internal and external stakeholders, developing a framework for automatic metadata integration for buildings, improving the portability of building intelligence

PhD Research Fellow, University of Southern Denmark
January 2016 – August 2019

- Decreased costs of performance evaluation in buildings through automated instantiation of software
- Derived usability requirements for building intelligence software through quantitative and qualitative analysis
- Machine learning used for timeseries forecasting to eliminate the necessity for expert knowledge

Software Developer, Vista Group, Skopje, North Macedonia
January 2014 – November 2015

- Enabled online purchase of bus tickets through a centralised web solution for management of bus stations in Macedonia
- Executed end-to-end product development from business analysis to maintenance in close collaboration with client

🎓 Education

PhD, Engineering Science, University of Southern Denmark
January 2016 – August 2019

MSc, Software Engineering, Ss Cyril and Methodius University, North Macedonia
September 2014 – November 2015

- GPA: 10.00 (highest 10.00)

BSc, Computer Science, Ss Cyril and Methodius University North Macedonia
September 2010 – August 2014

- GPA: 9.28 (highest 10.00)

Details

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https://www.linkedin.com/in/elena-markoska-5341b1a3/

Languages

English

Macedonian

Danish

Technologies

Pyspark, Python, R, C#, Java, ASP.NET, HTML5, LINQ, SQL, REST web services, Android, Adobe Photoshop,
Pandas, scikit-learn, keras, TensorFlow, nltk

Publications

Google Scholar:
https://scholar.google.com/citations?user=j6Kxt_UAAAAJ&hl=en&oi=ao