Viktor Penchev

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EXPERIENCE

Cohere
Senior Data Quality Engineer   May 2023 - Nov 2024, London, UK

- Worked on creating high-quality data geared towards expanding the capabilities of the Cohere's RAG-based models.
- Helped integrate various tools into the model's repertoire, including chain-of-thought reasoning, calculator calls, text file reading, and web search.
- Joined the Data Science and Code team at its inception at the start of 2024. Worked on the integration of coding capabilities into the model's responses.
- Contributed valuable input about the model's performance and weaknesses, aiding in the Command R model launch.

Experian
Credit Risk Modelling Apprenticeship   Jul 2022, Sofia, Bulgaria

- Developed credit scorecard model to evaluate credit-worthiness of given business' debtors.
- Implemented Known Good/Bad Linear regression model.
- Achieved exceptional results on development and validation datasets with mean Gini index of 79.9 and Gini uplift of 40 over available Bureau data

BlackPeak Capital
Summer Research Intern   Jun 2021 - Sep 2021, Sofia, Bulgaria

- Conducted online research into different companies and industries by analysing financial data and business reports
- Used CapitalIQ for complex inquiries into relations between corporations
- Regularly demonstrated findings to the supervising Investment Directors using PowerPoint presentations and Microsoft Word reports

EDUCATION

Queen Mary University of London
Data Analytics MSc   Sep 2023 - Sep 2024, London, UK

- **Dissertation project**: my work was centred around image classifiers identifying individual animal specimens, focusing on the impacts of image quality on classification accuracy.
- **Highlighted courses**: Neural Networks and Deep Learning; Bayesian Statistics; Topics in Scientific Computing;
- **Final Grade**: First Class Honours (88%)

University College London
Economics BSc   Sep 2020 - May 2023, London, UK

- **Highlighted courses**: Advanced Econometrics, Quantitative economics, Statistics, Accounting
- **Final grade**: Second Class Honours (68%)

ABOUT ME

Data scientist and researcher focused on natural language processing and computer vision, exploring both technical implementation and philosophical implications of artificial intelligence.

I thrive on solving high-complexity analytical problems through innovative approaches and systematic thinking. Outside of work, I maintain balance through regular indoor bouldering and climbing pursuits.

PROJECTS

View my portfolio for a detailed showcase of my projects and my skills in data analysis, machine learning, and software development. Some of the projects include:

- Pricing algorithm in Python (UCL and UCSD Research Project).
- Credit card approval classification with Random Forest.
- GPT-style transformer from scratch.

SKILLS

Programming: Python (Pandas, PyTorch, NumPy, Scikit-learn), R, C#, SQL

Visualization: Tableau, Matplotlib, Seaborn, Vega-Altair

Web Technologies: HTML

Office Software: MS Office

Writing & Communication: Proofreading, Editing, Academic writing, Presentation delivery

Soft Skills: Time management, Teamwork, Problem-solving, Organisation, Leadership, Creativity

LANGUAGES

English	Proficient
Bulgarian	Native
German	Intermediate
Chinese	Beginner