Viktor Penchev

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EXPERIENCE

Cohere
Senior Data Quality Engineer — *May 2023 - present, London, UK*

- Working on creating high-quality data geared towards expanding the capabilities of the Cohere's RAG-based models.
- Helping 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 and have been a part ever since. Working on the integration of coding capabilities into the model's responses.
- Contributed valuable input about the model's performance and weaknesses, which aided in the Command R 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
- Prepared PowerPoint presentations and Microsoft Word reports conveying findings to the supervising Investment Directors

EDUCATION

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

- **Dissertation project**: my work is centred around image classifiers identifying individual sea turtles. In particular, I am exploring the in which image degradation impacts accuracy.
- **Highlighted courses**: Neural Networks and Deep Learning; Bayesian Statistics; Topics in Scientific Computing;
- **Projected grade**: First Class Honours - 85%

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

- **Highlighted courses**: Advanced Econometrics, Quantitative economics, Statistics, Accounting
- **Final grade**: Second Class Honours - 69%

PROJECTS

For a comprehensive overview of my projects and technical work, please visit my portfolio website. This site showcases a range of projects demonstrating my skills in data analysis, machine learning, and software development. Notable 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

INTERESTS

Passionate about AI technologies and their philosophical implications. Keen interest in the rapidly evolving fields of natural language processing and computer vision. Avid sports enthusiast with a current focus on climbing, mostly enjoying indoor bouldering.