MARIANNA PETROVA
Data Scientist, PhD
Calgary ZIP CODE
+1 587 *** **** ***@gmail.com Linkedin: URL

OBJECTIVE
Find a full-time position of data scientist

SUMMARY
- 4 years of full-time experience in data science with classic machine learning, natural language processing, computer vision, deep learning, data analysis, and statistics.
- Experience in full cycle of modeling: business idea, data collection and preparation, model training, selection, deployment, and performance analysis.
- Rich experience in communication with shareholders, translating real-world business problems into data science solutions, explaining complicated mathematical concepts to shareholders in a comprehensive manner.
- Performed a role of proxy product owner.
- 6 years in academia, PhD in environmental safety.
- Strong background in statistics, engineering, and natural sciences.

KEY SKILLS
- **Domains:** insurance, medicine, tourism, finance
- **Python:** numpy, scipy, pandas, sklearn, keras, tensorflow, seaborn, beautifulsoup, dash, spacy, nltk, hugging face, flair
- **Data Science:** text mining, NER, GloVe, fastText, Word2Vec, BERT, finBERT, openCV, YOLO, SSD, Mask R-CNN, triplet loss, classic machine learning, statistics, optimization
- **Development:** MySQL, Rest API, AWS, Heroku, docker
- **Miscellaneous:** Scrum, Kanban, Agile, SDLC, Jira, requirement analysis, communication with shareholders, presale activities.

PROFESSIONAL EXPERIENCE
- **Senior Data Scientist** at Deventor, IT outstaff company, Lviv, Ukraine   *2021 - 2022*
    - Developed an industry-specific NLP solution for extracting entities from unstructured financial documents starting from scratch (project under strict NDA)
    - Communicated with the product owner and other stakeholders.
    - Trained and supervised other team members
- **Data Scientist** at Eleks, IT outsource company, Lviv, Ukraine   *2018 -2021*
    - Implemented trip budget estimation module for an AI travel assistant app, that included business idea translation into mathematical logic, developing requirements, data collection, processing, on-the-fly training and inference of models, final budget calculation.
    - Developed custom methodologies for information extraction from OCR-originated documents and a module for documents tagging. The modules significantly reduce the time that experts need to process a case. I performed a role of proxy product owner and improved communication between the team and business.
    - Developed a CV-based real-time products detection module for smart carts with automatic receipt formation.
    - Developed MVP for damage detection in manufactured objects with an option to adjust a model for newly added items.
- **Assistant Professor,** University of Life Safety   *2009 - 2018*
    - developed 5 academic courses from scratch, academic advisor for 10+ Master's theses
    - author of 10+ scientific articles, list available at ResearchGate

EDUCATION
- Kingston University, London, United Kingdom, EU funded PhD internship
- Lviv National Polytechnic University, Ukraine, PhD course, link to thesis
- Lviv National Polytechnic University, Ukraine, Master of Ecology