ŠERBETAR KARLO

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github.com/se-kami

EXPERIENCE

Machine Learning Engineer   Jan 2022 - Present
Wizion AI/Justacart

Participated in the full machine learning life cycle, including data preparation, model training and evaluation, and deployment:

· Designed and implemented an image labeling tool that significantly improved the efficiency of image labeling
· Created and employed web scraping techniques to construct and maintain an internal database
· Efficiently cleaned and analyzed large sets of customer data to extract valuable insights
· Developed, maintained and deployed computer vision models for object recognition, semantic segmentation and image classification using Python and PyTorch
· Developed metric learning and domain adaptation methods, resulting in significant performance improvement of models
· Optimized, deployed and maintained state-of-the-art models for text classification, keyword extraction, and text summarization
· Designed and implemented an efficient image search engine and successfully deployed it in production environment

EDUCATION

University of Cambridge
MA & BA Hons in Physics

Completed the Physical Natural Sciences Tripos. Courses covered theoretical and experimental physics(mechanics, EM, modern physics, condensed matter...), mathematics (calculus, linear algebra, mathematical methods, numerical methods...), computer science, materials science, scientific computing.

· Trinity College Scholar
· Trinity College Examination Prize

TECHNICAL SKILLS

Confident in	LaTeX, Python (NumPy, pandas, PyTorch, transformers, scikit-learn, spacy, NLTK, matplotlib, seaborn, Flask, OpenCV...), shell, SQL
OK with	aws, C, C++, git, Java, Linux, Matlab, MS Office

LANGUAGES

English	Fluent