



# TEREZA SÁSKOVÁ

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## SUMMARY

**Former professional athlete**, now a **data science student** with a strong foundation in Python, statistics, and SQL. Transitioned into tech after a sports injury, applying the same discipline and focus to data-driven problem solving. Interested in urban mobility, climate resilience, and social equity, with growing experience in geospatial and machine learning methods. Looking to contribute to projects where data can drive measurable, real-world impact. **Interested in big data systems and ML.**

## WORK EXPERIENCE AND PROJECTS

**University and personal projects:** **2024 - Present**

- **Podcast-recommendation-platform:** Built a scalable recommendation engine using Kafka, Spark, MongoDB, and Delta Lake with ALS and text similarity models.
- **Top-k-Image-Retrieval-Image-recognition:** Compared CLIP and DINO performance in classifying real vs. AI-generated faces.
- **Comparing-Emotional-Scores-of-Mistral-LLM-Responses-via-EmoAtlas:** Analyzed sentiment differences in LLM responses between Italian and English.
- **Athlete Sleep & Training EDA:** Explored correlations between sleep data and training performance in a professional athlete.

**Marketing and Project lead Sport Šumava** **2023 - Present**

- **Marketing Analytics:** Google Ads, Google Tag Manager, web indexing, SEO
- **Brand Marketing:** Blog posts, Instagram campaigns, newsletters
- **Visual Branding:** Canva, Figma — for content design and brand consistency
- **Performance Analytics:** Data-driven evaluation of marketing channels and engagement metrics

**Sports & Outdoor Instructor, Various Locations (Switzerland, Italy)** **2018 – 2023**

## EDUCATION

**Master of Science in Data Science** **(2024-2026)**  
Università degli Studi di Trento, Italy  
Coursework: Statistical Learning, Machine Learning, Big Data Technologies, Scientific Programming, Cognitive Data Science, Statistical Methods and others.

**Bachelor's in Marketing Communication** **(2020-2023)**  
University of Finance and Administration in Prague

## TECHNICAL SKILLS

- Languages: Python, SQL
- Data Tools: Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn
- Databases: SQLite, PostgreSQL (basics)
- Web & Version Control: Flask (intro), Git, GitHub
- Visualization & GIS: Plotly, Folium, QGIS (intro)
- Soft Skills: Analytical thinking, project coordination, cross-cultural communication