William Guanci

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Boulder, CO

Summary

Upcoming Information Science graduate specializing in Data Analytics and Machine Learning, skilled in Python-based techniques including K-nearest neighbor, clustering, and classification. Combines technical expertise with leadership experience gained through coaching and route setting in climbing. Eager to apply analytical skills and a problem-solving mindset in a dynamic, data-driven environment.

Professional Experience

Climbing Coach and Route Setter

ABC Kids Climbing, Boulder, CO

February 2023 - Present

- Designed training programs and sessions for both recreational and competitive climbing teams.
- Facilitated games and activities that promote a healthy relationship with the sport and peers within it.
- Assistant Outdoor Guide during summer camps. Responsible for management of large groups of climbers in outdoor environments, and teaching outdoor climbing skills.

Academic Projects (Accessible via Medium)

The Spectrum of Emotions

- Developed a Python-based project utilizing PyTorch, Colour, SpotiPy, and a pre-trained DistilBERT model.
- Aimed at classifying songs as positive or negative based on lyrics and analyzing album cover art colors to predict music sentiment.

Boulder Homelessness Issues

- Conducted an in-depth investigation into homelessness in Boulder, highlighting the challenges in data analysis due to limited open data.
- Critically analyzed the City of Boulder's data reporting on homelessness, emphasizing the need for more comprehensive open data for effective analysis.

Education

Bachelor of Science in Information Science

Minor in Media Studies

University of Colorado Boulder, Boulder, CO

Expected Graduation: Fall 2024

- Entered in Fall 2021 and on track for early graduation.
- Dean's List Fall 2023 for 3.9 semester GPA
- Major GPA: 3.759

Skills

- **Programming Languages:** Python, SQL, C++
- **Libraries & Frameworks:** Numpy, Pandas, Seaborn, Matplotlib
- **Data Analysis & Machine Learning:** Machine Learning, Clustering, K-Means, Classification