Benjamin Lucas

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Professional Summary:
Expert in AI and ML with a background in education, pastoral leadership, and project management, seeking opportunities to work in AI/ML/Data Science.

Skills

Programming Languages: Python, SQL, Excel
Data Viz/Analysis: Pandas, Tableau, Matplotlib, Web Apps (Streamlit) APIs, JSON, Cloud Dev (AWS, GCP, Docker)
Machine Learning: SciKit Learn, Keras Tensorflow, NLP, HuggingFace
General Skills: Planning, Documentation, Presentation, Agile, GitHub, AI Ethics
Additional Skills: Cross-cultural Communication, Stakeholder Engagement, Strategic Planning, Educational Innovation

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Data Science Bootcamp

JANUARY 2024 - JULY 2024

Shaolin.AI 24-Week AI/ML Bootcamp - Completed a rigorous 24-week intensive data science bootcamp, taking up 20-40 hours per week. Became an expert in Python and a variety of skills in data analytics, visualization, and AI/ML including: Pandas, APIs, Git, Matplotlib, SQL, SciKitLearn, NLP, Spacy, Keras, Tensorflow, PyTorch, AWS, SageMaker, ML Flow.

Data Science Projects

Sports Data Analysis and Visualisation - GitHub Link

- Project Leadership: Led the development of a Streamlit application focused on football data analysis, incorporating effective data cleaning and integration techniques.
- Data Collection and Management: Implemented web scraping scripts to collect player data from various online sources, efficiently preparing it for analysis.
- Dynamic Data Visualization Tool: Developed a user-friendly tool using Plotly Express and Pandas within the Streamlit framework, enabling interactive visualization of complex player data through radar charts.
- Interactive Dashboard: Created a Streamlit dashboard that provides real-time updates and interactive capabilities, simplifying the process for users to compare and analyze football player performance.
- Outcome and Impact: Successfully merged multiple data sources and visualization tools to create a comprehensive analysis platform that enhances insights into player performance.

Work Experience

AUGUST 2023 - PRESENT

Institut auf dem Rosenberg, Switzerland - Artisan of Education (Language, Ethics, and Future Studies)

- Launched a pioneering 'Ethics of AI' course in collaboration with Humanix and MIT school partners.
- implemented a data-driven approach for language teaching and assessments to optimize student learning and performance tracking.
- Enhanced the Metaverse and Blue Nomad projects, serving as a 'future architect' to facilitate collaboration between management and academic heads, guiding innovative blockchain applications in a high-school setting.
- Initiated an AI workgroup focused on the integration of AI technologies into education, developing machine learning-enhanced curriculum to pinpoint educational objectives and improvement opportunities.

SEPTEMBER 2017 - JULY 2023

Schools Direct / Sherborne School - Teacher of Foreign Languages and Ethics

- Increased German GCSE enrollment by 15% at Sherborne School through collaborative curriculum enhancements and innovative teaching strategies.
- Assisted with running a large senior school boarding house, monitoring pupil welfare on duty nights, as well as coordinating educational recovery sessions, recreational programs and trips.

- Completed teacher training program in socially-deprived areas of North East England and acquired Qualified Teacher Status.
- Improved English language skills and cultural awareness in Samara, Russia, establishing and running a significant academic presentation award to boost student communication skills.

SEPTEMBER 2017 - JULY 2023
Summer Boarding Courses / Israel Lacrosse / Brooklands Sports Club - Pastoral Care and Sports Management
- Managed a diverse boarding house of over 70 international summer school students, creating programs and trips that promoted educational enrichment and cultural understanding.
- Expanded Ashkelon lacrosse club membership by 20% through strategic community engagement and program development throughout Israel.
- Led session planning and long-term growth of local sports club membership, enhancing coaching effectiveness and participant engagement with two youth teams.

Leadership Experience

AUGUST 2016 - JULY 2017
Team Durham Men's Lacrosse - 1st Team Captain
- Managed a culturally diverse team, and deployed innovative strategies to maintain an undefeated streak of 100+ games.
- Implemented data analysis for team performance optimization alongside sports science and high performance personnel.

JUNE 2010 - JULY 2013
Team England Lacrosse - U17 and U19 National Representative / Team Captain
- Represented my country in international competitions, leading defensive strategies and team coordination.
- Demonstrated leadership skills, contributing to positive unit dynamics and team success against a high level of international opposition.

Education

SEPTEMBER 2017 - JULY 2018
St. Mary's University Twickenham, London - *Postgraduate Certificate in Education*

AUGUST 2013 - JULY 2017
Durham University, Durham - *BA in Modern Languages (German and Russian)*

SEPTEMBER 2007 - JULY 2013
Altrincham Grammar School for Boys, Manchester - *A-Levels (Geology,, French, History, German) - A*AAB*

Awards

The Diana Award
Durham University Vice Chancellor's Sports Scholar
McKinsey & Co. Outstanding Participant
Advanced Apprenticeship in Sporting Excellence

Languages

German and French - speak, read, and write fluently
Russian and Spanish - professional working competency