Harrison Lanier

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WORK EXPERIENCE

Clickvoyant
Technology Consultant — February 2023 – Present

- Migrated the backend from a KNIME server to a Python application hosted on GCP, saving $12k annually.
- Optimized Google Analytics data analysis with PySpark, generating insights to boost conversion rates for clients.

Parkster.ai (Techstars '22)
Co-Founder & Chief Technology Officer — August 2022 – February 2023

- Developed a TensorFlow model to detect real-time availability of over 200 parking spaces with 92% accuracy.
- Deployed an application on GCP to analyze parking spot pricing data for event attendees by extracting real-time quotes from 2k+ garages across multiple platforms.
- Constructed a NodeJS app allowing team members to add events to an internal BigQuery database.

Saint Louis University Computer Vision Lab
Research Assistant — June 2022 – August 2022

- Designed a Flask application for annotating and storing bounding boxes on images for model training.
- Trained a PyTorch model to detect furniture in hotel rooms for TraffickCam (traffickcam.com).

Invesco
Performance Analyst Investment Intern — March 2021 – August 2021

- Automated a fund report for portfolio managers with Power BI, saving 40 hours monthly.
- Composed SQL queries to answer questions on fund performance for the portfolio management team.

PROJECTS

TTP Appointment Scanner

- Scanned the Trusted Traveler Program API every 10 minutes and notified customers via SMS and/or email when an appointment timeslot opened at selected locations.

Dividend Growth Stock Analysis

- Applied the Dividend Discount Model to value consistent dividend-paying S&P 500 companies in real-time.

EDUCATION

Saint Louis University

Bachelor of Science
Data Science — August 2018 – May 2022

- Major GPA: 3.7
- Magna Cum Laude, Dean's List five semesters

Relevant Coursework: Artificial Intelligence, Computer Vision, Machine Learning, Databases, Principles of Software Development, Algorithms, Time Series, Bayesian Statistics and Statistical Computing, Applied Regression

SKILLS

Fluent: Python, Pandas, NumPy, Flask, R, Tidyr, SQL, Git, GitHub
Proficient: PySpark, PyTorch, TensorFlow, CUDA, OpenCV, JavaScript, React, NodeJS, GCP, Docker, Linux