

# Harrison Lanier

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## WORK EXPERIENCE

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### Clickvoyant (Techstars '22)

Data Engineer

February 2023 – Present

- Migrated the backend from a KNIME server to a Python application hosted on GCP, saving \$12k annually.
- Built an optimized ETL pipeline with PySpark, analyzing Google Analytics data and presenting insights to clients on how to boost website conversions.

### 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 to GCP that analyzed parking spot pricing data by extracting real-time quotes from 2k+ garages across multiple platforms.
- Constructed a React app allowing team members to add parking spaces to the internal BigQuery database.

### Saint Louis University Computer Vision Lab

Research Assistant

June 2022 – August 2022

- Designed a Flask application for annotating bounding boxes on images and stored changes in a SQL database.
- Trained a PyTorch model to detect furniture in hotel room images for TraffickCam ([traffickcam.com](https://traffickcam.com)).

### Invesco

Performance Analyst Investment Intern

March 2021 – August 2021

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

## PROJECTS

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### 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

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### 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

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Highly Proficient: Python, Pandas, NumPy, Flask, R, TidyR, SQL, Git, GitHub, Linux

Proficient: PySpark, PyTorch, TensorFlow, CUDA, OpenCV, JavaScript, React, NodeJS, GCP, Docker