# Harrison Lanier

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## WORK EXPERIENCE

**Parkster.ai (Techstars '22)**

Co-Founder & Chief Technology Officer                                                   August 2022 – February 2023
- Trained a TensorFlow object detection model to assess the availability of over 200 on-street parking spaces in real-time and composed demos in JavaScript to win potential customers.
- Deployed a JavaScript application on GCP to help event attendees find close parking spots by extracting real-time quotes from over 2k parking garages across multiple third-party platforms.
- Constructed a React app allowing internal team members to add events to BigQuery during sales meetings.

**Saint Louis University Computer Vision Lab**

Research Assistant                                                                      June 2022 – August 2022
- Developed a Flask application for annotating and storing bounding boxes on images for model training.
- Trained a PyTorch object detection model to find furniture in hotel rooms for TraffickCam.
- Researched methods to leverage detected objects to match a hotel room image to a known hotel.

**Invesco**

Performance Analyst Investment Intern                                                   March 2021 – August 2021
- Automated a Power BI dashboard to summarize fund data for portfolio managers, saving 40 hours a month.
- Composed SQL queries to answer questions on fund performance for the portfolio management team.
- Debugged and contributed to Python scripts that automated recurring reports for portfolio managers.

**Willow Bend Mortgage**

Technology Intern                                                                       May 2020 – August 2021
- Implemented a predictive model with SQL to forecast company-wide and branch level production with 11% error based on current pipeline and historical data.

## 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

Master of Science
Artificial Intelligence                                                                August 2021 – August 2022
- Master GPA: 4.0
- Completed 18 of 30 Credit Hours

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: PyTorch, TensorFlow, CUDA, OpenCV, JavaScript, React, Express, GCP, Docker, Linux

## INTERESTS

Traveling, Skiing, Basketball, Pickleball, Rock Climbing