Jared Feldman

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PROFESSIONAL PROFILE

Data Scientist with a strong foundation in applied machine learning, statistical experimentation, and scalable data infrastructure. Experienced in building and deploying custom ML solutions in production, including containerized systems and cloud-based pipelines. Skilled in collaborating across engineering, analytics, and product teams to translate business needs into measurable, data-driven outcomes. Eager to explore how emerging technologies like AI can responsibly enhance transparency, deepen public engagement, and support investigative work that serves the public interest.

WORK EXPERIENCE

Booz Allen Hamilton   **Pittsburgh, PA**
Senior Data Scientist   01/2025 – Present
- Conducted Bayesian inference in Python to evaluate risk related to process improvement initiative, ultimately identifying a 7.7% increase in efficiency while not introducing additional risk to the process
- Developing a custom Python library to promote automated, repeatable analysis of survey responses, using SQLAlchemy to interact with a PostgreSQL Database
- Conduct exploratory analysis for multiple clients to support short-notice data requests and improve decision-making

Data Scientist   05/2024 – 01/2025
- Conducted descriptive statistical analysis on PostgreSQL databases, containing millions of rows, using PostgreSQL and Python
- Implemented a containerized AWS Lambda function that utilized a serialized machine learning algorithm, improving client's ability to prepare for events by automating previously manual tasks
- Developed audio-based anomaly detection algorithms to identify improperly tightened lug nuts on race car wheels
- Built a custom ETL pipeline to process survey results and prepare data for a Tableau dashboard, allowing clients to make real-time decisions as surveys were completed
- Developed Streamlit dashboard and built data pipeline to ingest survey data from 26 data sources
- Introduced feature flagging/feature toggling approach to client application
- Mentored two interns, working with them on project and professional development goals

UPMC   **Pittsburgh, PA**
IT Manager   01/2022 – 03/2023
- Implemented DevOps Research and Assessment (DORA) metrics, driving process improvements through data-driven insights and enabling local experimentation among 10+ cross-functional development teams containing over 100 individuals

Systems Analyst – Team Lead   03/2020 – 01/2022
- Created an internal survey to assess team culture, and developed a data-driven tool using Power BI and Python to facilitate teams in utilizing survey results for informed decision-making

Systems Analyst – Senior   03/2018 – 03/2020
- Implemented an automated release management process using Azure Pipelines, streamlining workflows and reducing manual interventions

Earlier Experience in Tech, Operations, and Project Management (2011–2018)   **Multiple locations, USA**
Held progressive roles in systems analysis, strategic sourcing, process engineering, and project management across multiple companies and industries. Key achievements include managing multi-million dollar contracts, implementing Lean Six Sigma process improvements, leading agile teams, and optimizing operational workflows and inventory management. Demonstrated strong skills in stakeholder collaboration, cost reduction, and team leadership.

EDUCATION

University of California, Berkeley – Master of Information and Data Science   05/2024
Relevant Courses: Behind the Data: Humans and Values, Experiments and Causal Inference, Privacy Engineering, Applied Machine Learning, Data Engineering, Statistics for Data Science, Data Science Programming, Research Design and Applications for Data and Analysis

Selected Projects:
AI4AQ: Addressing Air Quality in the Salt Lake Region   04/2024
Developed a machine learning-driven dashboard and, using multiple data sources, built a data pipeline using AWS services, as well as a CI/CD pipeline to keep the dashboard current

Responsible AI: Comprehensive Incident Management Framework   12/2023
Addressed rising concerns of AI-related incidents by proposing an emphasis on learning, collaboration, and restorative justice. Utilized Python for analysis of the Artificial Intelligence Incident Database (AIID)

Chess Banter: Does engaging with an opponent in online chess impact their performance?   12/2023
Researched the causal effect of online chess interaction on opponent performance through a novel experiment, employing R, Python, Selenium, the OpenAI API, and the lichess.org API for data collection and analysis

Penn State University – B.S. Supply Chain & Information Systems, Minor Information Systems Management   05/2011

SKILLS AND TOOLS

Programming Languages: Python (Pandas, NumPy, SciPy, Matplotlib, Seaborn, ScikitLearn, TensorFlow, Keras, PyTorch), Bash, PowerShell
AI Tools: OpenAI API, prompt engineering, LLM evaluation
Statistical Tools: R, Stata
Development Tools: Git, GitHub, Jupyter, VS Code, RStudio, RMarkdown, Post Workbench, pgAdmin
Data Analysis & Visualization: Excel, Tableau, Power BI, Google Analytics, Google Ads
Database Technologies: SQL (PostgreSQL, MySQL)
Containerization: Docker, AWS ECR
Operating Systems: Windows, Linux
Agile Methodologies: Agile, Scrum, SAFe
DevOps Tools: Azure DevOps, Jira, GitHub Projects
Cloud Services: AWS, Azure

COMMUNITY INVOLVEMENT

Humane Action Pittsburgh (HAP)   **Pittsburgh, PA**
Strategic Analyst   12/2022– Present
  • Wrote the Privacy Policy, informing individuals of data use, practices, and rights
  • Collect, organize, and analyze data to support initiatives across HAP

Humane Animal Rescue   **Pittsburgh, PA**
Dog Walking/Behavior Volunteer   04/2019 – 06/2022

Furkid Rescue   **Bethel Park, PA**
Foster Parent   11/2017 – 05/2020

Humane Rescue Alliance   **Pittsburgh, PA**
Behavior, Training, and Socialization Volunteer   04/2013 – 07/2017
Foster Parent   04/2013 – 02/2017