Shayan Gheidi, PhD

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EDUCATION

- *PhD Physics*, Simon Fraser University, Canada (2022)
- *MSc Physics*, University of Toronto, Canada (2017)
- *BSc Physics*, University of British Columbia, Canada (2016)

WORK EXPERIENCE

Data Scientist May 2022 – November 2024
Euromonitor International, Chicago, IL, USA

- Built NER & logistic regression text classifier models, improving precision & recall by up to 30%.
- Implemented statistical methods (SQL, Excel) to derive and analyze insights from large datasets.
- Engineered data ETL pipelines (Python, SQL, BigQuery) to analyze global pricing, nutrition, and availability for millions of products across 40 countries.
- Developed and deployed a Python Dash web app (BigQuery, PostgreSQL), providing data insights used for high-value reports sold to clients.

Researcher 2017 – 2022
Simon Fraser University, Vancouver, BC, Canada

- Led statistical analysis, modeling, and visualization of spectrometer data for quantum materials.
- Built custom Python regression scripts, automating experimental analysis.
- Co-supervised undergraduate students, published 5 peer-reviewed papers, and received the Faculty of Science Excellence in Teaching Award.

SKILLS

- ***Programming & Data Science:*** Python, SQL, R, Jupyter Notebooks, PostgreSQL
- ***ML & Analytics***: Machine Learning (NER, Regression), NLP, A/B Testing, LLMs, Forecasting, Statistical data analysis, Data visualization, Dashboards, Web scraping, ETL
- ***Frameworks & Tools***: TensorFlow, Scikit-learn, Pandas, SciPy, Matplotlib, Tableau, Power BI, Dash, Plotly
- ***Cloud & DevOps***: GCP [Google Cloud Platform] (BigQuery, Cloud Run), AWS (Lambda, EC2, ECS, ECR), Docker, Git, CI/CD

CERTIFICATES

- Machine Learning with Python (IBM, Coursera)
- Google Project Management: Professional Certificate (Google, Coursera)

PERSONAL PROJECTS

- **1-800 Slowed & Reverb:** A moody music processing web application written in Python deployed to Google Cloud Run via Docker + GitHub. Regularly accessed by 50+ monthly active users.