

Ron Barzilay

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WORK EXPERIENCE

Data Analytics Associate at Coltura

Jun 2023 - Dec 2024, Remote

- Conduct in-depth data analysis on gasoline consumption and EV transition using Python, PySpark, geospatial analysis, and the creation of Power BI dashboards
- Primary analyst on multi-trillion row model of every US passenger car trip in the US
- Author on 7 data-backed [research reports](#) as featured in the [New York Times](#), [Forbes](#), [CBS News](#)
- Created data visualizations and factsheets for all 50 states and Washington DC, leading to direct policy influence in 18 states and more local governments
- Connection point between internal data engineering team and public-facing policy/media team

Researcher, Instanpolis Project

Feb 2022 - May 2022, UC Berkeley

- Parsed and visualized over 1,500 records of historical and ancient language census data in Python using NLP
- Assisted in geospatial recreations of late Ottoman Istanbul/Constantinople

Data Analytics Intern at Promo.com

Jun 2021 - Aug 2021, Tel Aviv, Israel

- Discovered 8 new company verticals with by using NLP and machine learning on a topic-based model of customer text
- Answered various company queries with the data-based tools Mixpanel, Looker, and Google Cloud/BigQuery
- Created data pipelines to incorporate 5 publicly-available international economic indicators into marketing research

EDUCATION

University of California, Berkeley (2019-2023)

B.A. Data Science, B.A. Political Science

Distinction in General Scholarship

Relevant Coursework: Machine Learning, Data Mining and Analytics, Artificial Intelligence, Probability, Inference and Decisions, Computational Structures, Data Structures, Linear Algebra, Empirical Analysis and Quantitative Methods, Social Networks

SKILLS & ABILITIES

Technical Skills

Proficient in Python, PySpark, R, SQL
Standard data science toolkit: pandas, scikit-learn, Matplotlib, various machine learning algorithms
Natural language processing, geospatial analysis, classical statistical analysis
Dashboard tools like PowerBI and Looker

Additional Skills

Public speaking
Strong writing ability
Collaborative team member, effective communicator
Fluent in English and Hebrew, limited Spanish
Experienced in policy data analytics and community engagement

LEADERSHIP & VOLUNTEERING

Event Organizer at Moishe House

Oct 2023 - Present, San Francisco

- Organize 7+ monthly cultural and social events to foster Jewish community
- Plan, budget, and staff volunteers for events ranging from cultural celebrations to professional networking and volunteering