

Hannah Abraham

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Summary

Information and Data Science master's student passionate about building models and tools to solve business problems and make data-driven decisions. Highly skilled in data visualization, programming in several languages, and innovative thinking. Aspiring to do purposeful work at the forefront of technology.

Key Skills

Languages/Libraries

Python, NumPy, Pandas, scikit-learn, Keras, Beautiful Soup, SQL, R, Spark, HTML, Java, C, VBA

Dashboard/Development Tools

Tableau, Streamlit, Vega-Altair, Plotly, Git, Flask, Angular, Amazon Web Services, Postgres, Docker

Education

Graduate School

University of California, Berkeley
Master of Information and Data Science (MIDS)
Graduation: Dec '24 | GPA: 3.87

Undergraduate

University of California, Berkeley
Computer Science BA | CS Scholar
Graduated: May '23

Experience

Data Science Intern • Kohl's

June 2024 – August 2024

Program Management Intern • Bloom Energy

June 2023 – August 2023

- Collaborated with Engineering, Manufacturing, and Supply Chain to build multiple program management Tableau dashboards that improved program efficiency and ability to give live updates.
- Wrote scripts to automatically pull program data from multiple sources.
- Evaluated visualization tools— Tableau, Streamlit, AirTable, Monday.

Business Analyst Intern • Amazon

May 2022 – August 2022

- Utilized industry and company data at Amazon Games to develop global business strategy for Amazon's future in the metaverse.
- Explored models (LSTM, FB Prophet, ARIMA) to predict sales of Amazon's licensed games.

Supply Chain Application Analyst Intern • McKesson Corporation

May 2021 – August 2021

- Using agile methodology, developed areas of McKesson's transportation management system.
- Utilized Angular for front-end development and Spring (Java Framework) for back-end development.

Systems Analyst Intern • Education Under Construction LLC

January 2021 – April 2021

- Utilized Python and SQL to track customer progress in online educational offerings.

Projects/Activities

AI-Generated Image Detection • MIDS

January 2024 – April 2024

- Experimented with 12 different machine learning models to distinguish between real and AI-generated images.
- Code Repository: https://github.com/hsabraham28/mids_207_final_project

Data Visualization Team Lead • BART, Data Science Discovery

August 2021 – May 2022

- Utilized machine learning models and data wrangling techniques to develop a daily incidents dashboard for BART operations using Plotly and Vega-Altair.
- Award: Data Insights Award from the Data science Discovery Program at UC Berkeley

VP of Research • DataGood @ Berkeley

August 2021 – May 2023

- VP of Research: Lead all internal projects for DataGood (Data science for Social Good)

Innovation Team Intern • EcoDataLab

August 2021 – May 2022

- Undergraduate Research Apprentice Program: Developed foundation for a web application in Python that recommends climate change projects to potential investors.