

Hamzeh Hamdan

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SUMMARY

Harvard University Junior looking to apply data-driven strategy skills and early career experience in an applied internship during the summer of 2024. Previous experience in mathematical modeling, big data analysis, soccer analytics, back-end development, consulting, and sourcing.

EDUCATION

HARVARD UNIVERSITY

A.B., Applied Math: Data Science

Cambridge, MA

Graduation Date: May 2025

Relevant Coursework: System Development for Computational Science, Data Science, Artificial Intelligence, Big Data, Game Theory, Intermediate Microeconomics, Linear Algebra, Graph Theory and Combinatorics, Probability.

EXPERIENCE

HARVARD UNDERGRADUATE CONSULTING ON BUSINESS AND THE ENVIRONMENT

Cambridge, MA

Director of Sourcing (December 2022 – May 2023)

July 2021 - May 2023

- Overlooked sourcing of over \$550k in 4 weeks, a 37% increase from our previous record cycle; trained Managing Directors and their sourcing teams on email scraping and sending, sales calls, and writing project briefs and SOWs.
- Organized several analyst trainings in which I taught them how to properly use business and industry analysis models, including Porter's Five Forces and SWOT analyses, as well as creating MECE recommendations.
- Assessed BNPL company's fraud risk and redesigned UX to be more trustworthy and engaging.
- Conducted a thorough market analysis on a cancer therapeutic, including competitor clinical trials and patents, and a go-to-market strategy focusing on U.S. marketing strategies and European partnerships.

HARVARD UNDERGRADUATE FOREIGN POLICY INITIATIVE

Cambridge, MA

Researcher

January - May 2023

- Researched emerging and disruptive technologies, with a focus in applications of AI and quantum computing on climate change and energy, and developed investment recommendations for NATO.
- Presented research at headquarters in Brussels.

HARVARD FINANCIAL ANALYSTS CLUB

Cambridge, MA

Analyst

January – May 2022

- Attended weekly training that covered accounting basics, comparative analysis, financial modeling, and creating effective stock pitches.

PROGRAMS

DELOITTE-HARVARD EARLY MENTORSHIP PROGRAM

Cambridge, MA

April – May 2023

- Selected from a pool of students to participate in a one-on-one mentorship program with full-time consultants.
- Visited Deloitte's Boston office with other EMP students, in which we solved interview cases together.

PROJECTS

Papers: Neural Networks and ChatGPT: How Do They Work?, Exploring Applications of Linear Algebra in Computer Graphics, Exploring Racial Inequality in El Paso: A Big Data Approach.

Models: Simulating Firm Behavior Under Duopolies Using Game Theory and Microeconomic Modelling.

SKILLS & INTERESTS

Technical: Python, Flask, Pandas, NumPy, HTML, CSS, SQL, Microsoft Excel, Mathematical Modeling, Game Theory.

Language: English (fluent), Arabic (native).

Interests: Photography, Board Games, Amateur Painting, Math Puzzles.