

# Aviv Pinto

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## EDUCATION

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Columbia University – Manhattan, New York

B.A. in Mathematics and Statistics

GPA: 4.0/4.0

Anticipated Graduation: 2027

Accomplishments: Dean's List 2025

GS Israel Endowed Fund Scholarship

Columbia University — Academic Year 2025–2026

Awarded as a singular honor in recognition of academic excellence and leadership

Columbia University Poker Tournament: Ranked 10<sup>th</sup>/500

Relevant Coursework:

Data-Driven Decision Modeling (advanced regression, causal inference, and reinforcement learning) ·

Data Structures & Algorithms · Probability Theory · Linear Algebra

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## PROFESSIONAL EXPERIENCE

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IDT Corporation– Product Consultant | Newark, NJ

05/2025 – Present

- Designed and optimized a POS system for barbershops, including scheduling logic, pricing models, and offline capabilities
- Led product strategy, market and industry research, and competitive analysis to guide development priorities and UX design
- Collaborated cross-functionally to define MVP scope, wireframes, and web platform structure

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## LEADERSHIP & COMMUNITY DEVELOPMENT

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Volunteer Project Lead – Military Support Initiative 2024

- Built cross-border partnerships with U.S. donor networks
- Raised over \$250,000 in equipment and aid for deployed units

Israel Defense Forces – Unit 142 – Head of Training | Israel

2020 – 2022

- Planned, coordinated, and executed multi-day large-scale field training operations in high-pressure, time-sensitive environments.
- Selected to organize and lead the unit's largest special training mission; awarded "Outstanding Soldier" in 2020 and 2021 for leadership and execution.

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## ADDITIONAL COURSEWORK AND PROJECTS

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Panel Data Regression Automation (Python):

Built a Python pipeline to run and validate OLS, fixed, pooled, and random effects regressions on panel data with automated error handling.

Data Driven related projects:

Built and evaluated predictive decision models using regression analysis, causal inference, and reinforcement learning, applying techniques in stochastic optimization, multi-armed bandits (UCB, Thompson Sampling), and dynamic programming to improve sequential decision-making under uncertainty

MITx MicroMasters in Finance, edX — 2025

- Stochastic Processes (Itô Calculus, Brownian Motion)
- Time-Series Models
- Mathematical Finance (Asset Pricing, Linear Algebra for Finance)

HarvardX – STAT110: Introduction to Probability, edX — 2025

- Monte Carlo Simulation in R, Moment Generating Functions, Limit Theorems
- Joint Distributions, Conditional Expectation, Foundations of Markov Chains

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## ADDITIONAL SKILLS

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Programming: Python (pandas, numpy, statsmodels, linearmodels) · R · Java

Technical Focus: Stochastic modeling, reinforcement learning, regression analysis, optimization, and algorithmic decision-making.

Tools: Git · Jupyter · Excel · Figma · Data Cleaning & Validation

Languages: English · Hebrew