

Om Shastri

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EDUCATION

The Wharton School

Philadelphia, PA

Finance Concentration, Bachelor of Science in Economics, GPA 4.0

University of Pennsylvania M&T Dual Degree Program

Philadelphia, PA

Computer Science Major, Math Minor, Bachelors of Science in Engineering, GPA: 3.8

- Activities and Societies: Accelerated Computer Science Masters, NCAA D1 Wrestling Team (Athlete), Wharton Investment and Trading Group (TMT Analyst), Dorm Room Fund (Investment Partner), Penn Engineering Student Ventures Committee (Investment Board), Penn Growth Equity (TMT Analyst), M&T Innovation Fund (Investment Board), Machine Learning Research at Penn (Research Group)

EXPERIENCE

Software Engineering Intern

May 2024 – August 2024

Microsoft

Redmond, WA

- Developed new AI-driven functionalities for M365 Copilot and Excel, focusing on the entire software lifecycle
- Built an agent-based penetration testing system to detect vulnerabilities and improve enterprise codebase security

Machine Learning Engineer

June 2023 – Present

Automorphic AI

San Francisco, CA

- Speeding up fine-tuning and development of self-improving LLMs, backed by YCombinator and Paul Graham
- Currently researching and working on architectural level argentic memory surpassing context windows

Finance Intern

June 2023 – August 2023

CliftonLarsonAllen (CLA)

San Jose, CA

- Analyzed and built financial statements and accounting strategies to optimize growth for SMBs and startups
- Drove tax planning, expense management, and revenue growth to support long-term financial stability

Cybersecurity Apprentice

June 2022 – August 2022

US Army Combat Capability Development Command (DEVCOM ARL)

White Sands, NM

- Analyzed ML classifiers on smartphones to identify vulnerabilities, simulating real-world combat scenarios
- Presented findings at a Joint Session at the Pentagon, regarding man-in-the-middle attacks on ML data pipelines

Software Engineering Intern

May 2021 – August 2021

National Aeronautics and Space Administration (NASA)

Austin, TX

- Developed advanced machine learning models for environmental monitoring by analyzing NASA satellite data
- Built data processing pipelines to optimize feature identification workflows, improving the efficiency of data analysis

ORGANIZATIONS

Dorm Room Fund | Machine Learning Infrastructure and Cybersecurity

September 2024 – Present

- Sourced and evaluated student-led startups focusing on AI and cybersecurity, backed by large venture capital firms
- Conducted due diligence within market analysis and sizing, customer research, and competitor benchmarking

IBM Research | Undergraduate Research Assistant

August 2024 – Present

- Conducted research on differential privacy techniques for LLMs to enhance data security and privacy preservation
- Developed watermarking methods to track and verify LLM outputs, ensuring accountability and preventing misuse

AWARDS

Starboard Stock Pitch Semi-Finalist — Starboard Value

Congressional Youth Gold Medal — The United States Congress

NCAA Division 1 Wrestler — The University of Pennsylvania

Hackathons — x.ai Hackathon (2024), TreeHacks (2024), HackMIT (2024), HackHarvard (2024), Microsoft Internal AI Hackathon (2024), Entrepreneur First UPenn Hackathon (2024), PennApps (2023)

Wrestling Awards — Captain of the Varsity Wrestling Team at Los Gatos High School, California State Medalist, MidCals Bronze Medalist, CA World Challenge Champion, League Champion, District Champion

Wrestling Student Athlete of the Year — California Interscholastic Federation