

# Martin Palencia

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## EDUCATION

### Darmouth College

*Bachelor of Arts; Major in Economics and Computer Science*

Hanover, NH

*Class of 2028*

- **Cumulative GPA: 3.8/4.0**
- National Hispanic Recognition Scholar (Aug 2023); Hispanic Scholarship Fund Scholar (Jul 2023)
- Relevant Coursework: **CS1 Introduction to Programming and Computation; CS10 Problem Solving via Object-Oriented Programming; Econ 1 Principles of Economics; Computational Cognitive Science**

## WORK EXPERIENCE

### Amazon, Project Kuiper

*Software Development Engineer Intern*

Sunnyvale

*Jun 2025 – Present*

- Developed and implemented a PCAP anonymizer library, enabling secure network debugging while maintaining customer privacy
- Engineered efficient packet processing pipeline that anonymizes IPv4 addresses, TCP/UDP ports, and sensitive fields while preserving network topology and protocol behavior
- Built automated S3 storage integration with VNI-based organization, including metadata generation and configurable retention policies
- Technologies used: Rust, AWS S3, TCP/IP Networking, PCAP Analysis

### Acesso AI (Selected by the Magnuson Center for Entrepreneurship)

*Founder*

Hanover, NH

*Dec 2024 – Present*

- Lead the development of Acesso, an AI-powered platform that reduces wrongful health insurance claim denials through automated appeals generation, real-time risk scoring, and benefits verification targeting a \$132MM market
- Collaborate with advisors and peer founders in 3+ weekly venture-building workshops to refine go-to-market strategy and design a scalable SaaS model targeting 5+ providers and revenue cycle management firms in the Upper Valley of New Hampshire
- Prepare seed-stage fundraising and beta pilot programs with healthcare providers to validate value proposition and performance outcome

### Stonehaven Capital Management

*Financial Data Science Intern*

Remote

*Aug 2023 – Jun 2024*

- Installed and configured Anaconda for data analysis and machine learning tasks, ensuring a productive work environment for 7+ member users
- Integrated Alpaca API to access real-time stock market data for algorithm development and testing
- Develop machine learning algorithms for stock selection, leveraging various techniques (e.g., Time Series Analysis, Classification, Sentiment Analysis) targeting 18% gross return

### 24By7Security

*Research Assistant*

Coral Springs, FL

*Jul 2023 – Present*

- Conduct in-depth analysis of emerging trends in cybersecurity, finance, and economics
- Publish 6+ articles emphasizing the role of cybersecurity in today's digital landscape for the top 5 Ciso blog

## LEADERSHIP AND EXTRACURRICULARS

### Dartmouth Tech Consulting Group

*Product Manager*

Hanover, NH

*Jan 2025 – Present*

- Lead a team of 6 in developing a quantitative trading simulation game, improving market prediction skills
- Coordinate and assign tasks based on team members' technical strengths to optimize project outcomes
- Facilitate weekly check-ins and leveraged collaborative tools to ensure progress and alignment

### Eco-Folio

*Co-Founder*

Boca Raton, FL

*Aug 2023 – Present*

- Developed a Python-powered StreamLit web application that offers comprehensive financial analysis tools

- Implemented features such as risk & return analysis and optimized portfolio weights using Monte Carlo Simulations

#### **ADDITIONAL INFORMATION**

*Skills:* Spanish (Fluent)

*Modeling:* Monte Carlo simulations; risk & return calculators; portfolio optimization

*Computer:* Python; Java; Google Apps Script; Microsoft Excel; Streamlit; scikit-learn

*Awards:* USA Biology Olympiad Semifinalist (Mar 2024); Young Investor Society Global Semifinalist & FL State Champion (May 2023); Platinum Tier Recognition, CyberPatriot (Air Force Association) (Nov 2023); 1st Place, UCF High School Coding Tournament (Mar 2023)

*Interests:* High-altitude hiking; calisthenics; boxing; kayaking; cross-country running; mountain biking