

JASON PEREIRA

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EDUCATION

University of North Carolina at Chapel Hill, Chapel Hill, NC | Junior | May 2027

B.S. Computer Science and B.S. Statistics & Analytics; Minor in Business

- Clubs: CS+SG, App Team Carolina, Buckley Public Service Scholars, UNC Non-Profit & Public Sector Club, FBLA-C
- Relevant Coursework: MATH381 Discrete Mathematics, STOR320 Methods and Models of Data Science

Central Piedmont Community College (Dual-enrollment), Charlotte, NC | July 2025

Associate in Arts Degree

- GPA: 4.0, Named to President's List; Completed Associate in Arts degree as high school dual-enrollment student
- Relevant Coursework: CSC249 Data Structure & Algorithms, MAT273 Calculus III, MAT280 Linear Algebra

SKILLS

- **Technical Skills:** Agentic AI, Google ADK, A2A, MCP, Generative AI, LLM, Machine Learning, NLP, Computer Vision, Python, Java, JavaScript, JSON, HTML, MongoDB, SQL, Tableau, Swift/SwiftUI, Data Science, Research, CODAP, API
- **Soft Skills:** Critical Thinking, Leadership, Project Management, Collaboration, Problem-solving, Communication

HONORS/AWARDS

- Duke AI Hackathon 1st Place Winner (Productivity & Enterprise Track), built Agentic AI legal precedent research tool
- National Merit Scholarship Commended Student (top 3% nationally)
- Silver President's Volunteer Service Award (for 200+ hours of service in a 12-month period)
- 4th Place National Leadership Conference FBLA (2025, Website Design); 1st Place NC States (2025, Website Design); 1st Place NC States (2024, Social Media Strategies); 2nd Place TSA States (2024, Structural Engineering)
- Wells Fargo Software Engineering Job Simulation on Forage - Nov 2025
- Wells Fargo Scholarship Program; Morgan Stanley Early Insights Program 2025; UNC Project Uplift and Uplift PLUS

EXPERIENCE

AI Intern, Arthmetis.AI | June 2025 - Present | *Internship*

- Researched emerging AI strategies and innovations to design and train machine learning models for predictive analytics, focusing on forecasting consumer behavior and decision-making patterns
- Engineered a large language model (LLM)-powered recommendation system leveraging Python, LangChain, and vector embeddings (FAISS) to analyze user behavior and preferences, generating personalized product recommendations that enhanced retailer marketing and engagement strategies

Data Science Researcher, UNC Charlotte | Feb 2024 - Present | *Researcher*

- Conducted data science research under a UNC Charlotte professor, co-authoring two papers: analyzing systemic racism in 150,000 traffic stops and investigating disciplinary practices correlations across all 100 districts in NC
- Applied Python frameworks, data visualization through CODAP, and statistical modeling to identify disparities and highlight equity challenges, and presented findings at the NCCTM Math Teachers Conference in November 2024

AI Scholar Intern, Social Media Intern, Inspirit AI | May 2023 - Dec 2024 | *Internship*

- Built AI projects including an ML-based stock trading system using NLP for sentiment analysis of financial news and a computer vision self-driving car model using CNNs to classify road objects
- Selected for the AI Scholars Research Program, collaborating with MIT and Stanford alumni to apply advanced machine learning methods to real-world finance and autonomous vehicle challenges.

LEADERSHIP & ACTIVITIES

- **Eagle Scout**, Boy Scouts of America (active scout since 2013) earning 32 Merit Badges, Bronze & Gold Eagle Palms. Order of the Arrow Honor Society member, Junior Assistant Scoutmaster. Led 181-hour Eagle Scout Service Project.
- **Education Team Member**, CS + Social Good, UNC Chapel Hill | Sep 2025 - Present
- **Outreach Committee**, TEDx, UNC Chapel Hill | Sep 2025 - Present
- **Competitive Events Committee**, FBLA-C, UNC Chapel Hill | Oct 2025 - Present