JASON PEREIRA

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EDUCATION

University of North Carolina at Chapel Hill, Chapel Hill, NC | Junior | 05/27
B.S. Computer Science and B.S. Statistics & Analytics; Minor in Entrepreneurship
- Transferred 84 credits from Associate Degree & Advanced Placement (AP) Courses

Central Piedmont Community College (Dual-enrollment), Charlotte, NC | Associate in Arts Degree | 07/25
- Completed an Associate in Arts degree as a dual-enrollment student
- GPA: 4.0, Named to the President's List

SKILLS

- **Technical Skills:** Agentic AI, Google ADK, A2A, MCP, Vertex AI, Generative AI, LLM, Machine Learning, NLP, Computer Vision, Python, Java, JavaScript, JSON, HTML, MongoDB, Data Science, Research, CODAP, API
- **Soft Skills**: Leadership, Project Management, Teamwork, Problem-solving, Communication

HONORS/AWARDS

- 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 NC TSA State Conference (2024, Structural Design and Engineering)

EXPERIENCE

Arthmetis.AI, Charlotte | 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 Research Assistant, UNC Charlotte | Feb 2024 - Present | *Researcher*
- Conducted data science research under a UNC Charlotte professor, co-authoring two papers: one analyzing systemic racism in 150,000 traffic stops, and another investigating how disciplinary practices correlate with demographic factors across NC
- Applied Python, data visualization, and statistical modeling to identify disparities and highlight equity challenges and later presented findings at the NCCTM State 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 BSA scout since 2013)
- Led projects, including Eagle Project, to solve community needs. 32 Merit Badges, Bronze & Gold Eagle Palms. Held several leadership roles, Order of the Arrow Honor Society member, Junior Assistant Scoutmaster
- Led a project of 12 scouts for my Eagle Scout rank to solve community needs to provide overflow seating for the Missionaries of the Poor chapel, aiding a community of approximately 200 individuals who attend regularly