

Jason Pereira

(704) 315-7789 | jasonpereira518@gmail.com | [linkedin.com/in/jasonpereira518](https://www.linkedin.com/in/jasonpereira518) | jasonpereira.netlify.app

EDUCATION

University of North Carolina at Chapel Hill | Chapel Hill, NC

May 2027

B.S. in Computer Science, B.S. in Statistics and Analytics, Business Minor / Dean's List

- **Clubs:** CS + Social Good, App Team Carolina, Carolina Skylab (Drone Team), Velocity Labs, Carolina Investment Group, TEDx
- **Relevant Coursework:** Systems Fundamentals, Discrete Math, Methods/Models of Data Science, Foundations of Prog.

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

Jul 2025

Associate in Arts Degree / GPA: 4.0/4.0, President's List

- **Relevant Coursework:** Data Structure & Algorithms, Calculus III, Linear Algebra

SKILLS

Technical Skills: Python, Java, C, SQL, Machine Learning, Agentic AI, Google ADK, A2A, MCP, Generative AI (LLMs, NLP, CV/CNNs), Git, JavaScript, React.js, JSON, HTML/CSS, MongoDB, Tableau, Swift/SwiftUI, Data Science, Research, CODAP, API, Databases, CI/CD, OS

Soft Skills: Critical Thinking, Leadership, Project Management, Collaboration, Problem-solving, Communication, Adaptability

Certifications: Google Generative AI Leader, Duke ML for Product Managers, Hugging Face Open Source Models, Tableau Dashboards

RELEVANT EXPERIENCE

Artificial Intelligence Intern, *Arthmetis* | Charlotte, NC

Jun 2025 - Present

- Research emerging AI strategies and innovations to design and train machine learning models on 50K+ consumer interaction records for **predictive analytics**, focusing on forecasting consumer preferences and decision-making patterns
- Engineer a **LLM-powered product recommendation system** leveraging **Python, LangChain, and vector embeddings (FAISS)**, analyzing user behavior to enhance retailer marketing and engagement strategies

Data Science Researcher, *UNC Charlotte Department of Mathematics & Statistics* | Charlotte, NC

Feb 2024 - Present

- Conduct data science research under UNC Charlotte professor, **co-authoring 2 papers**: one analyzing systemic racism in **150k traffic stops** and investigating correlations between disciplinary practices and demographics across **NC's 100 districts**
- Apply Python, data visualization, and statistical modeling to identify disparities and highlight equity challenges and later presented findings to educators at the **NCCTM State Math Teachers Conference** in Nov 2024

AI Scholar Intern, *Social Media Intern, Inspirit AI* | Charlotte, NC

May 2023 - Dec 2024

- Built **AI projects** including an ML-based system using **NLP for sentiment analysis** of financial news and a computer vision self-driving car model using **CNNs to classify 10+ road objects categories**
- 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

PROJECTS

Case Closed | *Duke AI Hackathon 1st Place Winner [Productivity & Enterprise Tools Track]*

Nov 2025

- Developed an **AI-powered legal research tool** using **multi-agents** to analyze court documents and recommend precedents through an interactive chat-based frontend with a modular backend **via Python, Vertex AI (Gemini 2.5 Pro), and REST APIs**
- Presented to **220+ competitors and 34 Duke faculty/industry judges** through 2 initial pitch rounds & a final showcase

Financial News Sentiment Analysis | *Personal Project*

Oct 2025

- Fine-tuned a **BERT transformer model** using **PyTorch and Hugging Face** to classify financial statements and market news as positive, neutral, or negative, achieving **97% test accuracy** to guide informed stock buying and selling decisions
- Applied advanced NLP techniques and data preprocessing, training, and evaluation workflows to improve sentiment detection

AWARDS & LEADERSHIP

- **Charlotte's 20 Under 20, The Dean's List; TEDx Speaker** - The Velocity Paradox, *TEDxUNC* (Feb 2026)
- **Eagle Scout, Scouting America**, (active since 2013) 32 Merit Badges, Gold Eagle Palm. Led 181-hour Eagle Service Project
- **4th Place National Leadership Conference, FBLA**, Website Design; **2x FBLA State Champion - 1st Place**
- **Anthropic Claude AI Hackathon 1st Place Winner, Anthropic**, built an interactive gamified stress-relief productivity app
- **Wells Fargo Scholarship Program; Morgan Stanley Early Insights Program 2025; Accenture Student Leadership Program**