

Oscar Cabezas New Orleans, LA 504-358-4576 oscar.123443@gmail.com https://www.linkedin.com/in/oscarcbzs github.com/ocabezas95		
PROFESSIONAL SUMMARY		
Computer Science graduate specializing in AI and Machine Learning with 8+ years of professional experience in data annotation and quality assurance supporting AI/ML systems. Experienced in delivering high-accuracy labeled datasets at scale, building Python-based preprocessing workflows, and contributing to projects across NLP, computer vision, and LLM applications.		
EDUCATION & CERTIFICATIONS		
LSU New Orleans (formerly University of New Orleans) <i>Bachelor of Science in Computer Science, Concentration in Artificial Intelligence and Machine Learning</i> • Honors: HSF Scholar (2025), Dean’s List (Fall 2025, spring 2026)		May 2026 New Orleans, LA
CodePath AI Engineering <i>Applications of AI Engineering & Foundations of AI Engineering</i>		Aug. 2026 Remote
Delgado Community College <i>Associate’s in Business Administration, Graduated with Honors</i>		Dec. 2022 New Orleans, LA
EXPERIENCE		
Senior AI Data Specialist <i>iMerit Technology</i>		Jan. 2018 – Present New Orleans, LA
- Led annotation and QA for 100K+ multi-modal data samples, maintaining 98%+ labeling accuracy across NLP and computer vision model development projects. - Collaborated with ML engineers to refine annotation schema and improve workflows, reducing model/data errors and cutting processing time by 20% across multiple projects.		
Freelance Geospatial Annotation Specialist <i>Pathr.ai</i>		Apr. 2023 – Dec. 2025 Remote
- Created and processed 50+ geospatial shapefiles in QGIS, preparing model-ready spatial inputs for integration into computer vision and machine learning analytics workflows. - Performed camera calibration using internal tools to support accurate analytics and improve spatial mapping quality across video-based datasets. - Annotated video recordings by manually counting people within defined time intervals, contributing structured ground-truth data for model evaluation, traffic-flow analysis, and occupancy insights.		
Undergraduate Machine Learning Research Assistant <i>University of New Orleans</i>		Mar 2024 – Aug 2024 New Orleans, LA
- Processed, cleaned, and annotated 5k+ image samples to support Computer Vision models for pipeline obstruction detection and infrastructure inspection research - Developed Python-based data preprocessing workflows to organize, validate, and prepare image datasets, improving data preparation efficiency by approximately 25%. - Collaborated with faculty and research team members to refine annotation quality, strengthen dataset consistency, and improve model-ready inputs for computer vision experiments.		
PROJECTS		
NBA Discourse Classifier <i>Python, PyTorch, Hugging Face (DistilBERT), Transformers, Jupyter</i>		
- Fine-tuned a DistilBERT sequence classification model to evaluate community discourse quality by categorizing social media posts into Analysis, Hot Take, or Reaction classes. - Developed a comparative benchmarking pipeline evaluating the fine-tuned model’s performance and inference latency against a zero-shot Large Language Model (LLM) baseline. - Preprocessed and tokenized text datasets using Hugging Face pipelines, optimizing training hyperparameters in PyTorch to maximize classification accuracy.		
Provenance Guard — Multi-Signal Content Attribution API <i>Flask, Groq LLM, Python, SQLite</i>		
- Architected a resilient Flask API using a multi-signal ingestion pipeline to classify text submissions via parallel semantic analysis and native Python stylometric engines (MATTR and Sentence Length CV). - Integrated Groq LLM (Llama-3.3-70b-versatile) for semantic pacing evaluations and engineered a Disagreement Override algorithm to shield creators from false positives by routing divergent signals to an Uncertain safety layer. - Designed a transaction-safe SQLite persistence layer governed by a strict state-machine workflow (classified, under review, upheld/overturned) and configured Flask-Limiter IP tracing gates (10 req/min).		
SKILLS		
Languages: Python, SQL, Java Libraries/Frameworks: PyTorch, Hugging Face Transformers, Scikit-Learn, Pandas, NumPy, Matplotlib, Flask, Streamlit Developer Tools: Git, Docker, QGIS, Jupyter Notebook, VS Code		
PRESENTATION & POSTERS		
Posters at the Capitol, Louisiana Undergraduate Research Association (LaURA) <i>Louisiana State Capitol</i>		March 2026 Baton Rouge, LA
Poster: “A Novel Hybrid Deep Learning Technique for Speech Emotion Detection using Feature Engineering”		