

ANTHONY LU

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EDUCATION

New York University Computer and Data Science - GPA 3.8/4	New York, NY January 2024 - May 2027
Relevant Coursework: Deep Learning & LLMs, Agile & DevOps, Machine Learning, Parallel Computing, Data Science, Data Structures, Algorithms, Computer Organization, Linear Algebra, Probability & Statistics.	

SKILLS

Languages:	Python, SQL, JavaScript, Java, C/C++, HTML/CSS, Assembly
Tools/Frameworks:	AWS (ECS, EC2), Firebase, Git, Docker, React, FastAPI, LangChain, GCP
ML/Data:	PyTorch, scikit-learn, Pandas, NumPy, OpenCV, HuggingFace, SciPy, Matplotlib

PROJECTS

Openbook CLI - Private Research Toolkit <i>Personal Project</i>	New York, NY November 2025
· Built a TypeScript CLI that indexes content into a private, on-device vector store for sub-second retrieval.	
Scout - AI Photography Assistant <i>Personal Project</i>	New York, NY September 2025
· Orchestrated chat/query workflows across Ollama and cloud providers with configurable prompts, model routing, web search, and offline-first embeddings to keep docs on-device for privacy and low-latency queries.	
· Built an interactive mapping app with location search, annotation tools, and camera controls using ReactJS .	
· Developed RESTful API backend with FastAPI , implementing file uploading, image processing, and AI integration with error handling and logging.	
· Integrated Google GenAI for image generation using map annotations and camera settings for prompting.	

Formula 1 Prediction Dashboard <i>Personal Project</i>	Austin, TX June 2025
· Developed a dashboard for users to make predictions and calculate proposition betting odds using Streamlit .	
· Engineered 50+ predictive features from 7 seasons of weather and telemetry data to forecast race results.	
· Achieved an AUC of 0.72 using a hyperparameter tuned XGBoost pipeline with time-series cross-validation.	
· Containerized using Docker , and deployed using AWS EC2 for scalable hosting.	

WORK EXPERIENCE

Best Buy <i>Sales Associate</i>	Austin, TX October 2023 - January 2024
· Collaborated with senior sales staff to design and execute sales strategies for tech products and memberships.	
· Led training for 3+ new team members on customer engagement and sales techniques.	
· Leveraged proprietary inventory and sales tools to analyze data from multiple stores and optimize sales strategies.	

ACTIVITIES

Washington Square News <i>Staff Photographer</i>	New York, NY January 2024 - December 2024
· Published and photographed campus and event images in NYU's student newspaper.	
Automated Lunar Rover <i>Team Lead</i>	New York, NY January 2024 - May 2024
· Led a 3-member engineering team to design and prototype an autonomous robot to traverse lunar terrain.	
· Oversaw task delegation, code and design reviews, and technical presentations to faculty panel.	