

Brad Blair

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Objective

Aspiring Machine Learning Engineer with a strong foundation in computer information science, deep interest in large-scale model development, and practical experience in data-driven environments. Seeking to contribute to Netflix's mission by leveraging academic training, certification in AI, and strong problem-solving skills to enhance media understanding systems.

Education**B.S. in Computer Information Science**

ECPI University — Charlotte, NC

Concentration: Cyber and Information Security Technology

Expected Graduation: May 2027

Relevant Coursework:

- Machine Learning Fundamentals
- Programming in Python & Java
- Network Security & Infrastructure
- Data Structures and Algorithms

Certifications

- Nvidia Deep Learning Institute – Deep Learning Fundamentals & Applications (Certified)
- Expanding knowledge in NLP and Computer Vision using open-source tools (PyTorch, Hugging Face, CLIP)

Projects & Learning Initiatives

Image Tagging Using CNNs (Personal Project, 2025)

- Built a basic convolutional neural network (CNN) using TensorFlow to classify and tag sample image sets.
- Integrated OpenCV for preprocessing and automated metadata generation.

Text Similarity Search Using Transformers (Academic Exploration, 2025)

- Researched sentence-transformers and BERT to evaluate text-based similarity queries.
- Modeled a simplified media search task with embeddings for search optimization.

Course-Based Projects

- Designed Python scripts to simulate encryption and decryption for secure transmission.
- Developed CLI applications and worked with JSON/CSV data for input/output workflows.

Professional Experience

Customer Sales Representative | HTL Freight — Charlotte, NC

09/2024 – Present

- Analyzed shipping data to optimize routing and delivery schedules.
- Used Microsoft Excel and Teams to track and report metrics.
- Collaborated cross-functionally with sales, logistics, and IT to address time-sensitive issues.
- Practiced structured problem-solving and data analysis in a fast-paced environment.

Customer Service Specialist | Solvent Logistics — Charlotte, NC

10/2023 – 09/2024

- Managed product return processes and ensured accurate logging in internal systems.
- Supported quality assurance team by reporting trends and common issue patterns.

- Developed scripts to help automate and organize customer communication tracking.

Managing Director | B & V Trucking, LLC — Charlotte, NC

02/2017 – 10/2023

- Led strategy and operations across logistics and finance, building scalable systems from scratch.
- Oversaw software adoption and managed vendor negotiation for tech-enabled operations.
- Experience leading teams and mentoring staff in efficiency tools and metrics.

Technical Skills

- **Languages:** Python, Java, C++, Bash
- **ML Tools:** PyTorch, TensorFlow, scikit-learn, OpenCV, Pandas, NumPy
- **Cloud:** Google Cloud (basics), AWS EC2/S3 (basic usage)
- **Version Control:** Git, GitHub
- **Productivity:** Microsoft Office Suite, Teams, Outlook

Soft Skills

- Clear written and verbal communication
- Self-motivated, quick learner with passion for AI
- Excellent time management and project coordination
- Comfortable working independently or in a collaborative team environment

References

Available upon request