NOAH BENNETT

COMPUTER VISION AI ENGINEER RESUME

CONTACT

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(123) 456-7890

Denver, CO

LinkedIn

EDUCATION

B.E.

Electronics and Communication Engineering

Colorado State University

August 2015 - May 2019

Fort Collins, CO

SKILLS

LangChain & LlamaIndex

Computer Vision

OpenCV

Python (PyTorch)

C++

TensorFlow

Object Detection & Segmentation

CUDA & GPU Optimization

Image Processing

ONNX & TensorRT

WORK EXPERIENCE

Computer Vision Engineer

True Anomaly

February 2023 - current / Westminster, CO

- Developed deep learning-based object detection models using Python, PyTorch, and OpenCV to classify objects in aerial and sensor imagery.
- Optimized computer vision inference pipelines using CUDA and TensorRT, lowering average model inference latency by 34%.
- Built image preprocessing and augmentation pipelines to prepare 254,991 labeled images for model training and evaluation.
- Implemented multi-object tracking algorithms to maintain consistent object identification across consecutive video frames, **improving tracking accuracy by 22%**.

Machine Learning Engineer

Trimble

May 2021 - January 2023 / Waltham, MA

- Trained convolutional neural networks (CNNs) to identify visual patterns, gaining 97% accuracy on a held-out evaluation dataset.
- Optimized model training workflows through GPU acceleration and batch processing, mitigating training time by 3 days.
- Built Python-based data pipelines that streamlined image annotation validation, **processing 17,643 images every week.**
- Integrated 11 trained machine learning models into existing software applications through REST APIs, improving automated image analysis capabilities.

Machine Learning Intern

Arrow Electronics

August 2018 - July 2021 / Centennial, CO

- Built image processing utilities using OpenCV to perform image resizing, filtering, and feature extraction for prototype applications.
- Optimized application algorithms and data structures, **improving processing efficiency by 21%**.
- Developed 4 automated unit testing scripts to identify software defects and improve application reliability.
- Collaborated with cross-functional engineering teams to troubleshoot 36 application issues, review code, and maintain technical documentation.