HARLAN JONES

harlanljones.com

EDUCATION

Boston University   *Graduated May 2025*

Bachelor of Science in Computer Engineering
- **GPA**: 3.12
- **Received a B or better grade in the following relevant courses**: Introductory Programming; Computational Linear Algebra; Discrete Mathematics; Differential Equations; Probability, Statistics, and Data Science; Software Design; Cloud Computing; Senior Design Project

WORK & EXPERIENCE

Sunglass Hut   *Summer 2021*

Sales Associate
- **Exceeded** personal and store sales goals through proactive customer engagement.
- **Assisted** in daily store operations, including visual merchandising, inventory management, and point-of-sale transactions.

Waiter.com   *Summer 2023*

Data Scientist Intern
- **Researched** various recommendation models (e.g., collaborative filtering, content-based).
- **Prototyped** a recommendation engine using Python and Scikit-learn to validate a model for predicting user meal preferences from order history.
- **Leveraged** natural language processing and feature engineering techniques.

Boston University EC528   *Fall 2024*

Cloud Computing Engineer
- **Developed** a Python CLI to fully automate the deployment of containerized AI applications on Google Cloud Platform (GCP), managing infrastructure, data, and user authentication.
- **Created** a scalable backend on GCP using Cloud Run for serverless compute, Artifact Registry for Docker images, and Firebase for secure authentication.
- **Streamlined** the ML workflow by building a CLI with automated data ingestion from HuggingFace and Kaggle and simple commands for lifecycle management.

Boston University EC523   *Spring 2025*

Deep Learning Engineer
- **Engineered** a DCGAN in PyTorch to generate synthetic chest X-rays, successfully augmenting a limited medical imaging dataset.
- **Improved** a ResNet-50 pneumonia classifier's accuracy by over 9 percentage points using GAN-generated data for training.
- **Analyzed** synthetic image quality and model behavior using Grad-CAM and SSIM to validate the effectiveness of the augmentation pipeline.