

Emmanuel Acheampong

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[Portfolio Website](#) || [LinkedIn](#) || [GitHub](#) || [Coursera Instructor Projects](#) || [Certifications](#)

EXPERIENCE

yShade.ai (formerly roboMUA)([website](#))

Redmond, WA

Co-Founder/Head of AI

August 2020 – Present

- Led the development of a custom dataset of 12 million images with 100 labels for human skin shades, resulting in 89% improvement in model accuracy.
- Led a technical team of 7 engineers across West Africa, South East Asia, and America to deliver our products on time.
- Architected and trained predictive and generative AI models for the beauty and autonomous vehicle industries.
- Deployed 285 AI models through APIs, a web app and mobile apps (iOS & Android) enhancing user retention by almost 90%
- Awarded Technology of the Year at the 2023 Smart Retail Tech Conference, Las Vegas.
- Presented innovative AI research and models at 10 top AI conferences including [2024 CVPR](#) and [PyTorch Conference 2024](#).

Coursera (Coursera Instructor Projects)

Redmond, WA

ML Projects Instructor

June 2021 – Present

- Created a concise AI/ML portfolio of projects consisting of building end-to-end NLP, computer vision, and data analytics projects.
- Over 1850 learners taught with an instructor rating of 4.9 stars.

Morgan Stanley

New York, NY

Machine Learning Engineer

August 2019 – August 2020

- Deployed an application that utilizes Azure speech-to-text and text analytics docker containers, topic modeling and multiclass classification and language models to automate the transcription, classification, and insights derivation of calls to customer service.
- Built a tax document classification Flask service with REST endpoints that convert tax document PDFs to images, and classify them with deep learning CNN models built with Pytorch.

PROJECTS

ROBO-BootCamp

- Built a “virtual” bootcamp to help over 1500 users navigate online learning.
- Trained and deployed a recommender system using Coursera data to provide each user a unique curriculum.
- Won a \$20,000 investment from Elevate Ventures at a \$1.5 million valuation.

MOOC-Anon Python Package

- Open-sourced a python package that provides data on courses from platforms like LinkedIn Learning.

SKILLS & INTERESTS

Technical: Python, C#, SQL, Azure, GCP, Keras, Pytorch, Tensorflow, Docker, Scikit-learn, Notebooks, Data Analysis, AI, ML,

Interests: MLOps, Deploying AI models, Large Language Models, Neuromorphic Machines, Deep Learning, Computer Vision

EDUCATION

University of Notre Dame

South Bend, IN

Master of Science in Engineering, Science & Technology Entrepreneurship Excellence (ESTEEM)

May 2021

- Thesis Project : The intersection of Computer Vision and Laser Guns for the Department of Defense. Artificially-Intelligent Directed Energy Systems for Countering Swarms and Raids: Bringing speed-of-electronics “thinking” to speed-of-light defenses to aid the human operator.

Berea College – cum laude

Berea, KY

Bachelor of Arts in Computer Science and Mathematics (double major). Minor: French.

May 2019

Certifications: Google Cloud Certified Professional Cloud Architect, Google Cloud Certified Professional Data Engineer, Microsoft Certified Azure AI Engineer Associate, Google Cloud Certified Associate Engineer, IBM Data Science Professional Certificate