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yshade.ai (Company)
maven.com/emmanuel-acheampong/aiportfolio/preview/53b6f1 (Other)

Top Skills

Large Language Models (LLM)

Agentic AI

Generative AI

Languages

French (Limited Working)

Twi (Native or Bilingual)

Certifications

Online Marketing Fundamentals

Developing and Deploying Microservices with Microclimate

Computer Science 101

Data Science Professional Certificate

Networking in Google Cloud Platform Specialization

Honors-Awards

Berea College Departmental Labor Award

Berea College Dean's List

Pi Mu Epsilon

National Society of Collegiate Scholar

Berea College Tuition Promise Scholarship

Publications

100 LinkedIn Learning Courses for Technology Students

Move Slow To Learn Fast — What I learned about coding at a skating rink.

Emmanuel Acheampong

AI engineering | coFounder @ yShade.ai | Research | Neuromorphic computing | Computer Vision | EB1A
Greater Seattle Area

Summary

Visionary Co-Founder & AI/ML Leader | Driving Inclusive Technology with Computer Vision

As a Co-founder at yShade.ai, I'm at the forefront of creating inclusive AI technology. I lead the development of our proprietary AI/ML algorithms, which are trained on a massive 12 million image dataset to accurately detect and analyze all human skin shades across any lighting and atmospheric conditions. This cutting-edge technology is redefining standards in industries like beauty, fashion, self-driving cars, and industrial automation. Our dedication to building our own AI APIs has solidified yShade.ai as a key innovator, earning us a spot in the prestigious Google for Startups Black Founders Accelerator 2024.

My journey is rooted in a deep passion for leveraging AI to solve real-world problems and drive positive social impact. With over five years of experience in AI/ML, I've had the privilege of building and deploying end-to-end AI models that bridge technological gaps. Previously, I contributed to the global expansion of Azure's infrastructure at Microsoft, helping to build over 185 regions worldwide.

In addition to my entrepreneurial work, I am passionate about educating the next generation of AI professionals. As a Coursera project instructor, I teach learners how to build compelling AI/ML portfolios, a role in which I've earned a 4.9 instructor rating from over 4,000 students.

I hold an M.S. from the University of Notre Dame and a B.A. in Computer Science and Mathematics from Berea College. My significant contributions and expertise in the field have qualified me for the O-1 visa, and the EB-1A visa.

Using Google Cloud NLP API to analyze writings featured in the Hamilton Broadway Play

Analyzing LinkedIn Content: A practical application of Data Science

What excites me:

- * Building and deploying impactful AI models.
 - * Speaking at AI conferences to share knowledge and inspire others.
 - * Teaching AI courses and mentoring aspiring engineers.
 - * Leading and scaling high-performing AI teams.
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Experience

yShade.ai

Co-Founder / Head of AI

August 2020 - Present (5 years 5 months)

Building AI algorithms for ALL skin shades.

Algorithms include: AI Foundation shade match, AI Skin Tint shade match, AI Shapewear shade match, Eye shadow palette recommendation engine and MORE.

We build:

1. AI algorithms for B2B indies beauty brands
2. iOS and Android app
3. Chrome Extension
4. Shopify APIs

<https://robomua.com/>

Self-employed

AI Engineering

August 2025 - Present (5 months)

Building end to end AI systems for clients and serving as forward deployed engineer for others as a contractor.

Leveraging LLMs, Computer Vision, GenAI, Agentic AI, building systems from scratch and research.

Maven

AI course Instructor

May 2024 - January 2025 (9 months)

Advanced AI Portfolio BootCamp Course

Coursera

Coursera Project Instructor

June 2021 - December 2023 (2 years 7 months)

Teaching learners to build a concise AI/ML portfolio of with predictive and generative AI projects. 10 courses and over 3000 students. 4.9 instructor rating.

<https://www.coursera.org/instructor/~88710258>

Culture x AI

Creator

April 2019 - April 2022 (3 years 1 month)

Projects utilizing AI for cultures around the African continent.

Current projects include Voice AI actions on the Google Assistant:

1. Anansi Stories
2. Ghana Trivia
3. African Proverb
4. Creation Stories
5. Akan Translate
6. Trivia de Ghana (French)
7. Proverbes Africain (French)

The IDEA Center at the University of Notre Dame

StartUp Coach

August 2020 - May 2021 (10 months)

South Bend, Indiana, United States

ROBO-BootCamp

Co-Founder

August 2020 - May 2021 (10 months)

Closing the skills gap with AI and online learning.

ESTEEM Graduate Program at the University of Notre Dame

MOOC consultant

August 2020 - April 2021 (9 months)

South Bend, Indiana, United States

Booz Allen Hamilton
Booz Allen Hamilton - Artificial Intelligence
July 2020 - April 2021 (10 months)
McLean, Virginia, United States
Industry-Sponsored University of Notre Dame ESTEEM Capstone Project.

Morgan Stanley
11 months
Machine Learning Engineer
November 2019 - June 2020 (8 months)
Greater New York City Area

Technology Analyst
August 2019 - November 2019 (4 months)
Greater New York City Area

LinkedIn
LinkedIn Learning Student Ambassador
February 2019 - June 2019 (5 months)
United States

Scouted
Campus Ambassador
August 2017 - December 2018 (1 year 5 months)
New York, New York

- Selected as one of the college representatives of Scouted, one of the best free job posting sites in 2018 by Fit Small Business, for Berea College
- Provided students with resources and information that aid in navigating Scouted successfully, which has enabled a number of students to get internships.

Morgan Stanley
Technology Summer Analyst
June 2018 - August 2018 (3 months)
New York, New York

- Wealth Management Technology Division.
- Utilized Jupyter, Python, Python modules, and Tableau for aggregating, analyzing and visualizing data for data-driven decision making.

- Displayed results of analyzed data in a website built with Python Flask, HTML, CSS and JavaScript

SEO (Sponsors for Educational Opportunity)

SEO Career Participant - Corporate(Technology)

April 2017 - August 2018 (1 year 5 months)

New York, NY

- Received 50+ hours of individualized coaching and live instruction to achieve targeted interview, technical, and professional developmental goals
- Completed industry-specific training and assessments focused on developing technical skills, institutional knowledge, and attention to detail
- Completed 100 hours of online and in-person training covering technical skills in MySQL, object-oriented programming languages and product management, in addition to career development skills, and institutional knowledge, relevant to corporate technology.

PCB:NG

Software Development and Data Analytics Intern

June 2017 - August 2017 (3 months)

Brooklyn, New York

- Collected and analyzed the company's data using Pandas, NumPy, and Matplotlib Python frameworks to create graphs, organize and evaluate information.
- Developed an application to measure and email the key performance indicator based on weekly customers and revenue which improved target marketing.
- Increased customer retention rate by about 60% using HTML, JavaScript, CSS and Google Analytics to revamp the company's website.

Entrepreneurs Roundtable Accelerator

Software Development Intern

June 2017 - August 2017 (3 months)

New York

- Selected as one of 11 interns to work with the summer 2017 cohort of top startup technology companies from around the United States.

Berea College

1 year 11 months

Student Manager: Classroom Technologies Maintenance

August 2016 - June 2017 (11 months)

Berea, KY

- Managed a team of 15 students in maintaining educational technologies in 110 rooms on campus.
- Initiated new policies and procedures for maintaining an inventory and workspace which increased productivity by about 25%.
- Won best student worker in 2016.

Media Technician

August 2015 - 2017 (2 years)

Berea Kentucky

- Completed about 150 work orders in one academic year working with a ticket management database system.
- Performed sound engineering, lighting, stage management and video production roles in the production of events like annual commencements, weekly convocations and various multimedia meetings.
- Lighting technician of the 2016 Christmas concert which was aired on CBS on December 24, 2016.

French Teaching Assistant

August 2016 - December 2016 (5 months)

Berea Kentucky

- Worked with 30 students and professor to coordinate and implement innovative learning techniques to assist new learners of French 101 and 102.
- Provided tutoring for 5 hours a week to students needing help with semantics, grammar and writing of french.

Education

University of Notre Dame

Master of Science - MS, Engineering, Science & Technology Entrepreneurship
Excellence Masters Program · (2020 - 2021)

Berea College

Bachelor of Arts (B.A.), Double Major: Computer Science and Mathematics.
Minor: French · (2015 - 2019)