HOWARD PRIOLEAU

howarddoesai@gmail.com ◇ Hyattsville, MD

[Github](#) ◇ [LinkedIn](#) ◇ [My Website](#) ◇ [Google Scholar](#)

EXPERIENCE

Machine Learning Researcher & Team Lead — Jun 2021 - Present
Howard University Research Team — *Washington, D.C.*

- As a founding member of the Lab with my Professor, I have led diverse research projects including NLP, Computer Vision, and Acoustic Analysis. We have published 11 publications to world class conferences/workshops and have more in progress. I used various ML/DL libraries like Keras, Scikit Learn, and Hugging Face Transformers.

Machine Learning Engineer Intern — May 2024 - Aug 2024
Reddit — *New York, NY*

- Developed a novel LLM-based Guided Onboarding system to enhance subreddit recommendations, enabling new users to engage more deeply and understand Reddit at a higher level. Created an API for dynamic, personalized content suggestions using advanced prompt strategies, improving user onboarding and platform navigation.

Software Engineer Intern — May 2023 - Aug 2023
Reddit — *New York, NY*

- As a member of the Developer Platform team at Reddit, my responsibilities involve building and maintaining apps on the developer platform. I played a crucial role in developing the consumer side of the dev platform, where I provided feedback to improve the platform to Reddit Users. Also demonstrating the capabilities of the Developer Platform

Machine Learning Engineer Intern — Jan 2021 - Jun 2021
Excella — *Washington, D.C.*

- I focused on accelerating the deployment of ML models and establishing AI environments in the cloud. I specialize in generating synthetic data using NLP models such as BERT, GPT, and ELMO. Additionally, I develop platforms that facilitate the seamless deployment of these models to the cloud.

EDUCATION

Bachelor of Computer Science, **Howard University**, Washington, D.C — Aug 2020 - Dec 2023
GPA: overall 3.88; CS-only 3.95
Ph.D. Student in Computer Science, **Howard University**, Washington, D.C — Jan 2024 - Present
GPA: 4.0

SELECTED PUBLICATIONS

PSB 2022 *Acoustic-Linguistic Features for Modeling Neurological Task Score in Alzheimer's.*
Aryal, S. K., **Prioleau, Howard**, & Burge, L.

SIAIA @ AAAI 2023 *Sentiment Analysis for Multiple African Languages: A Current Benchmark.*
Aryal, S. K.*, **Prioleau, Howard***, & Aryal, S.

SemEval @ ACL 2023 *Howard University Computer Science at SemEval-2023 Task 12: A 2-Step System Design for Multilingual Sentiment Classification with Language Identification*
Aryal, S. K. and **Prioleau, Howard**

ICLR 2023 *Feature Importance Analysis for Mini Mental Status Score Prediction in Alzheimer Disease*
Prioleau, Howard and Aryal, S. K.

CSCI 2023 *Benchmarking Current State-of-the-Art Transformer Models on Token Level Language Identification and Language Pair Identification*
Prioleau, Howard and Aryal, S. K.

SKILLS

Languages: Python, TypeScript, Java, JavaScript, HTML/CSS, C++, C, PHP, Swift

Technologies: Pandas, Keras, TensorFlow, Sci-Kit Learn, PyTorch, Numpy, Huggingface Transformers, ReactJS, SQL, Flask, Linux, Nginx, Gunicorn, OpenCV, Matplotlib, Jupyter Notebook, NodeJS, Google Cloud Platform, Amazon Web Services, Git, Cuda, OpenCL, OpenGL

Awards: Google 2024 Phd Research Fellow, Aim Ahead Research Fellow, NSF GFRP 2024 Honorable Mention