Maame Abena Boateng

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EDUCATION

The University of Texas at Austin   Austin, TX
Bachelor of Science in Public Health & Applied Statistical Modeling   May 2025
Concentration: Data Science, Biostatistics & Informatics   GPA: 3.7
Cornell University: AI/ML Fellow Break Through Tech
Relevant Coursework: Data Analysis for Health Sciences, Genetics and Biostatistics with R software, Elements of Data Science with R, SQL and Python, Calculus, Probability and Statistics, Epidemiology, Fundamentals of Computer Science,
Data Visualization Principles, Machine Learning Engineering, Health Behavior Theory, Health Policy

TECHNICAL SKILLS

Programming Languages: Advanced – R, Python. Proficient –, SQL, Tableau, PowerBI. Familiar with HTML
Software and Framework: R Studio, Visual Studio, Jupyter Hub, Anaconda, TensorFlow, Git/Github, Jira

WORK EXPERIENCE

Elements of Data Science Undergraduate Teaching Assistant   Austin, TX
Lead Coding Lab Teaching Assistant in R and Python   Aug. 2023 - Present
- Nurturing 100+ students' each on methods of data wrangling, exploratory data analysis, and machine learning
- Facilitating student research projects, fostering critical thinking and hands-on experience in real-world data applications as they master sophisticated data visualization techniques and aptitudes
- Demonstrating practical applications of R and Python, significantly enhancing student growth and proficiency

Deloitte   Austin, TX
Integrated Services AI Implementation, Business Technology Solutions - US Government   Jun. 2024 – Aug. 2024
- Designed and implemented a sophisticated Robotic Process Automation (RPA) tool to streamline repetitive tasks, resulting in a 21% increase in team productivity enhancing and utilization of AI within the team's operational agile framework.
- Conducted user research focus groups to delve into human-centered design thinking generating customized AI use cases within the team, ensuring alignment with user needs and operational efficiency in technical project management methods.
- Participated in a generative AI solution case competition as a dedicated model developer by executing four bespoke user test cases with a focus on human-centered design principles, simulating significant time savings for government professionals.

Deloitte   Washington, DC
AI & Data Engineering Intern , Business Technology Solutions - US Government   Jun. 2023 – Aug. 2023
- Utilized Python and R programming to visualize test data, demonstrating a 9% efficiency gain through automation for clients.
- Engineered Data System Solutions using SDLC, effectively resolving 11% of database communication issues.
- Researched automation solutions, focusing on generative AI initiatives in software and product development life cycles.

PROJECTS

Cornell University: AI/ML Break Through Tech Fellow   May 2024 – Present
- Executing the machine learning pipeline, proficient in data exploration, preparation techniques, modeling, validation tools, and technologies including Pandas, Keras, Numpy, TensorFlow, NumPy, and Scikit-learn.
- Analyzing real-world datasets to identify patterns and relationships, solving business problems by developing customized ML models and implementing them effectively.
- Specialized in supervised and unsupervised techniques, focusing on regression, classification, and neural networks to derive actionable insights
- Managed AI Studio machine learning project implementations, delivering tailored solutions for Fortune 500 Companies.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

herScript – Black Women in Tech Initiative   Austin, TX
Co-Founder, Non-Profit Director & Co-President   Feb. 2023 - Present
- Established three chapters across the state of Texas for herScript, and a nonprofit dedicated to fostering an inclusive environment for Black women pursuing careers in technology.
- Empowering members to cultivate their professional narratives through career development initiatives and community-building efforts, while organizing statewide programs and community events for Black women in tech statewide.

Management Leadership for Tomorrow (MLT)   Washington, DC
Career Preparation Fellow   Mar. 2023 - Present
- Selected among thousands of high achieving applicants to participate in professional and leadership development
- Complete programs to grow leadership and technical skills by industry leaders, such as LinkedIn, and Target

ADDITIONAL INSIGHTS

Languages: Fluent in Spanish, Twi
Interests: Artificial Intelligence, Data Science, Quantitative UX Research, Healthcare Technology, Technical Program Management
Work Eligibility: Authorized to work in the U.S. with no restrictions.