

# Maame Abena Boateng

(832)-853-3468 | [abenaaboateng@gmail.com](mailto:abenaaboateng@gmail.com) | <https://www.linkedin.com/in/abena-boateng/> | [Github Portfolio](#)

## 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. 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.