

Maame Abena Boateng

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EDUCATION

The University of Texas at Austin	Austin, TX
<i>Bachelor of Science in Public Health & Applied Statistical Modeling</i>	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 (R), Biostatistics (R), Data Science(Python and R), Probability and Statistics, Epidemiology, Computer Science (Python), Data Visualization, Machine Learning Engineering (Python), Linear Regression, Health Behavior Theory, Health Policy	

TECHNICAL SKILLS

Programming Languages: R, Python, SQL
Software and Frameworks: R Studio, Visual Studio, JupyterHub, Anaconda, TensorFlow, PyTorch, Git/GitHub, Jira, Agile Development, Postman API Certified

WORK EXPERIENCE

Planned Parenthood Federation of America	Austin, TX
<i>Machine Learning Engineering Intern</i>	Aug. 2024 - Present
<ul style="list-style-type: none">• Spearheading research on AI-enhanced chatbot design for Planned Parenthood's Roo, ensuring the delivery of user-centered, relevant, and accessible sexual health information to adolescents through natural language processing (NLP)• Developing and refining a machine learning model to improve the user experience by detecting and classifying errors in chatbot responses, enhancing the clarity and accuracy of information provided• Conducting user performance analysis by monitoring real-time chatbot interactions, gathering insights to inform iterative design improvements that optimize engagement and effectiveness for teens aged 13-17	
Elements of Data Science Undergraduate Teaching Assistant	Austin, TX
<i>Lead Coding Lab Teaching Assistant in R and Python</i>	Aug. 2023 - Present
<ul style="list-style-type: none">• Nurturing 100+ students' each on methods of data wrangling, exploratory data analysis, and machine learning• Facilitating student research project, fostering critical thinking and hands-on experience in real-world data applications	
Deloitte	Austin, TX
<i>Integrated Services AI Implementation, Business Technology Solutions - US Government</i>	Jun. 2024 - Aug. 2024
<ul style="list-style-type: none">• Designed and implemented a sophisticated Robotic Process Automation (RPA) tool to streamline repetitive tasks, resulting in a 21% increase in team productivity and utilization of AI within the team's operational agile framework• Conducted use 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	
Deloitte	Washington, DC
<i>AI & Data Engineering Intern, Business Technology Solutions - US Government</i>	Jun. 2023 - Aug. 2023
<ul style="list-style-type: none">• 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	

PROJECTS

Cornell University: AI/ML Break Through Tech Fellow	May 2024 - Present
<ul style="list-style-type: none">• 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 based on supervised and unsupervised techniques, focusing on regression, classification, and neural networks	

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

herScript – Black Women in Tech Initiative	Austin, TX
<i>Co-Founder, Non-Profit Director & Co-President</i>	Feb. 2023 - Present
<ul style="list-style-type: none">• Established three chapters across the state and a nonprofit dedicated to fostering an inclusive environment for Black women in technology through career development initiatives, community-building efforts, statewide programs and community events	
Management Leadership for Tomorrow (MLT)	Washington, DC
<i>Career Preparation Fellow</i>	Mar. 2023 - Present

ADDITIONAL INSIGHTS

Languages: Fluent in English, 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