

Maame Abena Boateng

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EDUCATION

The University of Texas at Austin

Bachelor of Science in Public Health & Applied Statistical Modeling

Concentration: Data Science, Biostatistics & Informatics

Austin, TX

May 2025

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: R Studio, Visual Studio, Jupyter Hub, Anaconda

WORK EXPERIENCE

Elements of Data Science Undergraduate Teaching Assistant

Austin, TX

Lead Coding Lab Teaching Assistant in R and Python

Aug 2023 - Present

- Nurture 100+ students' exploration of data science tools such as data wrangling and exploratory data analysis
- Facilitate the learning of data visualization methods, markdown and data workflow and classification methods
- Emphasize the importance and applications of R and Python languages to improve student growth and learning

Deloitte

Washington, DC

AI and Data Engineering Intern, Business Technology Solutions - US Government

Jun. 2023 - Aug 2023

- Visualized test data using Python and R programming to showcase a 9% impact from automation to clients
- Developed Data System Solutions using SDLC that solved 11% of database issues with system communication
- Conducted research on automation solutions with generative AI initiatives for Company Partners

PROJECTS

Cornell University: AI/ML Break Through Tech Fellow

May 2024 – Present

- Mastering the machine learning pipeline: data exploration and preparation techniques, modeling and validation tools, and technologies including Pandas, Numpy, and Scikit-learn
- Analyzing real-world data sets, identifying patterns and relationships to approach real-world business problems, to create my own ML models, train, and implement these in the most effective way

Testing the Mysteries of Food Effects (R)

May 2023

- Deployed tidyverse to explore the effects of GMO crops influence on cancer rates, death rates, and food policy bills
- Utilized data visualization and data wrangling principles to discover a statistically significant relationship

Attributes of Billed Health Insurance Costs (R, Python)

May 2023

- Evaluated several predictors of high insurance costs with logistic regression analysis and kNN classification
- Revealed a statistically significant the relationship of predictors such as Age and BMI with matrices and clustering
- Implored the prediction and cross validation of models with PAM clustering, PCA analysis and dimension reduction

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

herScript(Black Women in Tech)

Austin, TX

Co-Founder & Co-President

Feb. 2023 - Present

- Facilitate and Initiate corporate opportunities to increase personal and professional development
- Increasing the Black Women in Tech on campus by 40% by emphasizing personal development and authenticity
- Secured 15+ corporate sponsorships to provide opportunities to 100+ black students on campus

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

INTERESTS

Languages: Fluent in Spanish, Twi

Interests: Artificial Intelligence, Data Science, Quantitative UX Research, Business Technology Solutions, HealthTech

Work Eligibility: Eligible to work in the U.S. with no restrictions