

# Maame Abena Boateng

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## EDUCATION

### The University of Texas at Austin

*Bachelor of Science in Public Health & Applied Statistical Modeling*

Austin, TX

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

## 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