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
Relevant Coursework: Data Analysis for Health Sciences, Genetics and Biostatistics with R software, Elements of Data Science, Calculus, Probability and Statistics, Epidemiology, Elements of Computer Programming, Data Visualization Principles, Health Policy, Health Behavior Theory

TECHNICAL SKILLS

Programming Languages: Advanced – R, Proficient – Python, SQL. Familiar with HTML
Software: R Studio, R, Visual Studio, Jupyter Hub

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

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) — October 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

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 business case studies and assignments to grow leadership and technical skills
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target

herScript(Black Women in Tech) — Austin, TX
Co-Founder & Co-President — Feb. 2023 - Present
- Facilitate and Initiate opportunities such as Workshops, Corporate Relationships, and Professional Development
- Expose ways to apply the technology world to different industries such as healthcare and entertainment
- 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

Association of Black Computer Scientists — Austin, TX
Corporate Officer — Sept. 2021 - Present
- Facilitate and Initiate opportunities such as workshops, corporate relationships, and professional development
- Coordinate and execute hackathons and personal projects for members to become well rounded

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