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, Postman API Fundamentals Student Expert

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