Festus Chirchir Bett

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SKILLS

***Programming skills*:** Python, AutoCAD, Microsoft office, PostgreSQL, PySpark, Matlab

Data Science Skills ***Current***

- Data manipulations, data processing, data modeling, database management with PostgreSQL, Big Data query with PySpark
- Feature Engineering, feature extraction.
- Descriptive data analysis, anomaly detection, data visualization
- Statistical modeling.
- Hypothesis testing.
- Image processing with MATLAB
- Team collaboration of projects through Git and GitHub.
- Data Science Repo projects: https://github.com/fbett5?tab=repositories.

EXPERIENCE

Data science project experiences:

- Vehicle rental nationwide analysis: data processing, data visualization, feature engineering,
- automobile price prediction: data processing, feature engineering, exploratory analysis, build prediction model using multiple linear regression.

Mentoring and Leadership experience *Summer 2021*

Mentor and group leader (NSF's 2021 Summer Research Program for Undergraduate and High School Teachers)

I oversaw research in the subject of Microwaves and Radio Frequency Radiation safety of 5G cellphone generations. I provided guidance on project planning and technical leadership to students and the high school teachers. I assigned project tasks and learning goals, as well as organized daily meetings to discuss their findings.

Tutoring experience *2017-2020*

I have a 3+ record of teaching undergraduate students in Math and Physics. I was part of the tutoring center's staff that was in charge of one-on-one tutoring and mentoring. Provided services such as performance monitoring and identifying weak points that should be addressed immediately and in the future.

Norfolk State University Research Assistant *08/2020-Current*

I created an optical stretcher to sort, trap, and stretch human cells to measure their elasticity and which will aid in the early detection of disease like cancer. The project is divided into three sections: Designing an optical stretcher that utilizes a laser, designing a microfluidic channel through which fluid containing cells flows, and using image processing to determine deformation.

EDUCATION

Norfolk State University, Norfolk, VA
Master of Science, Electronic Engineering (*GPA:3.86*) *08/2020-05/2022*
Bachelor of Mathematics (*GPA: 3.58*) *08/2016-05/2020*

RELATED COURSES

Netflix Data Science Bootcamp, Neural Network

HONORS

- Norfolk State University Dean's list, 2016/17/18 Presidential Highest GPA Award, 2016-2020 Athletic Scholarship.
- Four-year scholarship award in NCAA D1 track, field, and cross-country participation.