

# Brice Fokou

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## EDUCATION

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**Bowie State University**  
**Bachelor's in Computer Technology (Database/Data Analytics**  
**Concentration)**

2025 | Bowie, MD

**GPA: 3.5**

**Relevant coursework:** Expert Systems using Big Data, Database Application Development, Discrete Structures using Big Data, Database Architecture, Symbolic Computation using Big Data, Systems Analysis and Project Management, Problem Solving with Spreadsheets.

## SKILLS

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**Programming Languages:** SQL | Python | Java | HTML | CSS | Javascript | C++

**Data Analysis:** SQL queries | data retrieval | report generation | performance monitoring | Data Analysis & Visualization

## PROJECTS

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### **Rural vs Urban Access Inequality – Data Analysis Project**

- Explored broadband access gaps between rural and urban U.S. regions, revealing challenges in remote education, telehealth, and employment caused by the digital divide.
- Performed advanced data wrangling and feature engineering using FCC, ACS, and MCDC datasets; generated unique IDs to enhance dataset merging and comparative insights.
- Visualized geographic disparities using metrics like average max advertised download speed by state and proposed integration techniques for deeper data-driven insights.

### **Homeownership Trends & Impact – Data Analysis Project**

- Analyzed housing affordability trends using U.S. Census (ACS) data from 2017 and 2022 to evaluate income distribution, rent/mortgage burdens, and racial disparities across California.
- Engineered analytical features (e.g., income groups, housing cost ratios) to uncover key homeownership drivers and quantify a 3.5% rise in mortgage burdens over five years.
- Proposed a budget-conscious housing support strategy (CalWORKs HSP) to mitigate homelessness risk, incorporating wage subsidy simulations and aligning with state legislation (SB 129).

### **Symbolic Computation Using Big Data – Group Leader**

- Directed a 7-week collaborative project, overseeing task delegation and integrating tools like Python, Anaconda, Pandas, and Tableau to address real-world challenges such as rent inequality and survival analysis.
- Built dynamic data visualizations (pie charts, scatter plots, histograms) using Matplotlib and Tableau; applied groupby, custom formatting, and data exports to structure findings for presentations.
- Transitioned from Excel to Python for more scalable analysis, maintained version control via GitHub, and delivered weekly reflection journals and a capstone presentation.

## PROFESSIONAL EXPERIENCE

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### **Agile Pinnacle**

May 2022 – Aug 2022 | Bowie, MD

#### **Scrum Master**

- Facilitated cross-functional workshops, driving the implementation of strategic initiatives within the team.
- Effective sprint planning and process optimization improved program impact and efficiency by 15%.
- Ensured continuous improvement by leading process audits and addressing system bottlenecks.

### **Elios Consulting**

May 2021 – Aug 2021 | Yaounde, CMR

#### **Data Analyst Intern**

- Cleaned and analyzed client sales and operations data, improving dashboard reporting accuracy by 25%.
- Automated weekly Excel-based reports using Python and SQL, cutting manual processing time by 40%.
- Designed Tableau dashboards to support business intelligence efforts and uncover performance trends across three client sectors.