

# Kyle Chandler

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## PROFESSIONAL SUMMARY

I am a young professional building a career in the field of Software Engineering and Data Science. I have experience with a wide range of technologies, with specialized experience in data engineering, data science, and back-end development.

## WORK EXPERIENCE

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**City of Baltimore Mayor's Office of Neighborhood Safety and Engagement** **Aug. 2022 – Present**

*Data Analyst* Baltimore, MD

- Created multiple applications, including a web scraper app used to manage database access security, and a web app that served as Baltimore City's primary form of data collection for youth engagement deployed on over 30 on-the-ground devices.
- Lead the design and creation of an internal MS SQL Server database, and utilized T-SQL and Python to create automation/migration processes for all current and new data to be routed into the database.
- Contributed to Baltimore City's nation-leading Public Safety Accountability Dashboard.
- Performed data analysis using Python to measure KPIs and project success in homicide/gun violence reduction within vicinity of an evolving portfolio of geo-coordinates.

**University of Maryland, Baltimore County** **Sep. 2021 – Feb. 2022**

*Graduate Research Assistant - Software Programming/ETL* Baltimore, MD

- Cleaned and transformed large amounts of unstructured data (10,000+ voice transcripts) into a structured dataset using natural language processing in Python that allowed for quantitative analysis.
- Conducted data analysis using R programming language to successfully extract meaningful insights that supported project's hypotheses, leading to the paper's selection for a high value grant award.

**University of Maryland, Global Campus** **Summer 2021**

*Statistics Consultant* Silver Spring, MD

- Performed multivariate linear regression analysis in Python evaluating the relationship of digital public education program models to desired outcomes. The results led to the successful implementation of the chosen program.

## EDUCATION

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**Howard University** **2023-2025**

M.S., Data Science and Analytics Washington, D.C.

**Towson University** **2020**

B.S., Business Administration, Project Management and Analytics Baltimore, MD

## TECHNOLOGIES AND SKILLS

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- **Languages:** Python, Java, .NET, R, SQL, JavaScript, HTML, CSS
- **Python Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Keras, Torch, TensorFlow, Django and more
- **Technologies:** Power BI, Tableau, ArcGIS, QGIS, Azure Data Studio, Git, Linux
- **Skills:** Object-Oriented Programming, Version Control, Sprints, Agile Project Management, ETL

## CERTIFICATIONS

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- Student Certification in Project Management