**Blake Underwood**  
Data Analyst

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**EXPERIENCE**

**Institute for Design Research and Outreach** *Aug 2024 - Present*  
*Data Analyst*

* Conducted Iowa housing research for state legislators funded by The Iowa Economic Development Authority.
* Investigated the impact of housing-related zoning regulations on the cost of owning a home.

**Iowa State University - Data Science for the Public Good** *May 2024 – Aug 2024*  
*Data Science Intern*

* Assisted in building a zoning guide of Iowa encompassing 330 cities zoning information.

**Iowa State Tutoring** *August 2022 - Present*  
*Data Science Tutor*

* Communicated fundamental topics in Data Science, Computer Science, and Statistics.

**DoorDash** *May 2020 - July 2023*  
*Delivery Driver – Over 3,000 deliveries*

**Arriaga Landscaping** *April 2019 - October 2019*  
*Lawn Mowing Specialist*

**PROJECTS**

**Iowa Zoning Guide Map** *May 2024 - Present*

* Developed an interactive map displaying housing-related zoning regulations for 330 Iowa cities with a team.
* Collected and analyzed data on zoning law's relationship with housing in these cities.
* Provided insights into zoning's effect on housing affordability.

**Housing Market Report** *May 2024 - Present*

* Assessed housing affordability trends and the current state of the Iowa housing market.
* Evaluated factors like employment, commuting patterns, property taxes, and crime rates affecting housing affordability.
* Analyzed the supply and demand of housing, focusing on new dwelling unit permits and population changes in Iowa cities.
* Conducted a rent analysis comparing affordability relative to income in Iowa's urban, suburban, and rural areas.

**Community Analysis Capstone** *January 2024 – May 2024*

* Conducted a socioeconomic analysis using data from the Bureau of Economic Analysis to visualize job trends in Iowa.
* Studied institutions across Iowa using data from the State Historical Society of Iowa by creating interactive Tableau dashboards and written reports.

**EDUCATION**

**Iowa State University** *August 2022 – December 2024*  
*Bachelor of Science in Data Science*  
*Minor of Economics*

**Grand View University** *August 2020 – May 2022*  
*Completed 60 credit hours*

**SKILLS**

**Programming**: Python, R, SQL  
**Data Visualization**: Tableau, GGplot2, Matplotlib, ArcGIS  
**Statistics**: linear regression, logistic regression, decision trees, SVM, Random Forests

**OTHER**

**Certifications**: CS50x: Harvard's Introduction to Computer Science (2022), 6.00.1x: MIT’s Introduction to Computer Science and Programming Using Python (2022), Kaggle Advanced SQL (2024).  
**Conferences**: Presented at the Iowa Technology and Geospatial Conference (2024).  
**Publications**: Co-authored 'Housing Affordability in Iowa’s Major Cities' in the Journal of Housing Economics, 2024.