Joshua Taylor

253-227-2557 | joshuaetaylor231@gmail.com | www.linkedin.com/in/joshua-taylor-e | *github.com/ahsoj22*

Skills

Transferrable Skills: Statistical Analysis, Cloud Computing, Network Troubleshooting, Data Visualization, Data Analysis, Financial Analysis, Data Wrangling, Data Pipelines, Database Management, Data Structures and Algorithms
Operating Systems: Linux, Windows
Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, R, Kotlin
Developer Tools: Tableau, Power BI, AWS (Athena, Lambda, Redshift), Git, Docker, VS Code, Visual Studio, IntelliJ
Frameworks: Django, React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI
Libraries: pandas, NumPy, Matplotlib, plotly, Tensorflow, Scikit-learn

Education

Bachelor of Science in Informatics Seattle, WA
University of Washington *June 2026c*

Experience

Undergraduate Project Assistant September 2024 – Present
University of Washington *Seattle, WA*

- Currently working as part of the Wordplay development team, an educational programming language with a team of over 200 developers
- Conducted rigorous code reviews for new features implemented into Wordplay, ensuring adherence to coding standards which resulted in zero major bugs reported post-deployment over a three-month period
- Initiated collaboration with UI/UX designers to refine visual elements of web applications, enhancing clarity and usability while receiving positive feedback from at least 20 testers during internal assessments

Projects

HR Insights Dashboard | *Tableau, Python* September 2024 – October 2024

- Built an interactive Tableau dashboard for HR analytics that implements robust filtering features for employee records, reducing average data - retrieval time by 40% and enhancing decision making capabilities
- Deconstructed a complex dataset into a series of easily digestible visualizations that report demographic distributions by state and gender, departmental comparisons, hiring trends, income trends and correlations between education and performance ratings

Speech Recognizer | *Python, Django, Tensorflow, Scikit-learn* June 2024 – September 2024

- Developed a machine-learning model utilizing user responses and a comprehensive dataset of human conversations, achieving an accuracy rate above 60% in predicting potential speech patterns using the TensorFlow library
- Designed an innovative Django-based web application that streamlined data processing capabilities; improved response times by reducing latency to under two seconds for end-users interacting with the platform

UFC Ticket Sales Analysis Dashboard | *Python, Django, Plotly, Pandas* August 2024 – October 2024

- Implemented an interactive dashboard that integrates ticket sales data with UFC match statistics; identified key trends in consumer behavior, which could enhance promotional strategies and engagement by pinpointing top-performing events
- Extracted comprehensive datasets from Kaggle's API, ensuring data integrity and relevance; utilized the Pandas library to clean over 10,000 rows of ticket sales data for further analysis
- Constructed an interactive dashboard leveraging Django framework to enhance user experience; streamlined access to critical insights by integrating complex datasets into one cohesive platform for ease of analysis

Community Engagement

Applied Analytics Club | *University of Washington* September 2022 – Present

- Enhanced technical and analytical skills through participation in hands-on club workshops, fostering a collaborative atmosphere that boosted project outcomes by assisting peers with data analysis techniques
- Attended guest speaker sessions to gain insights from industry leaders, expanding professional knowledge and building connections within the analytics field