

# Andrew Hewitt

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## TECHNICAL SKILLS

**Languages:** Python (Pandas, Matplotlib/Seaborn, NumPy), SQL, R, Java

**Analysis:** Geographic Information Systems, Sentiment Analysis, GTFS Data Analytics

**Tools:** Git, QGIS, ArcGIS, Microsoft Office Suite (Excel, Word, PowerPoint), Jupyter, RStudio

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## PROFESSIONAL EXPERIENCE

**Extern (Beats by Dre Externship)** | Remote, Data Analytics Extern | August, 2025 - December 2025

- Developed advanced data analysis skills by conducting qualitative and quantitative research to uncover customer insights related to Gen-Z trends, behaviors, and preferences for audio devices
  - Leveraged Python, data science libraries, and natural language processing tools like Gemini AI to perform sentiment analysis and visualize consumer feedback across multiple audio device brands
  - Synthesized insights and presented findings through a detailed data dashboard and visual presentations for actionable business strategies
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## EDUCATION

**Arizona State University** | Tempe, AZ *B.S. in Data Science* | 2025 - 2027 (Expected)

- **GPA:** 4.0 of 4.0
- **Relevant Coursework:** Data Science and Society, Exploring Data in R and Python (Spring 2026)

**Indiana University of Pennsylvania** | Indiana, PA (Transferred) *B.S. in Software Engineering* | 2023 - 2025

- **GPA:** 3.9 of 4.0
  - **Relevant Coursework:** Numerical Analysis, Intro to Geographical Information Systems, Remote Sensing, Linear Algebra
  - **Achievements:** Received Sutton Scholars Award for sustained academic high achievement and earned Dean's List honors for five consecutive semesters (all terms enrolled)
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## KEY PROJECTS

**Commuter and Light Rail Efficiency Analysis** | [https://github.com/ahew5505/rail\\_efficiency\\_analysis.git](https://github.com/ahew5505/rail_efficiency_analysis.git)

- Extracted and processed raw GTFS feeds to evaluate performance across New Jersey Transit Commuter and Light Rail lines
- Evaluated New Jersey Transit Commuter and Light Rail data to identify bottlenecks and inconsistencies in transit times
- Developed an interactive storytelling dashboard using Tableau to visualize inefficiencies and suggest data-driven recommendations for higher schedule consistency

**Sentiment Analysis, Beats by Dre** | [https://github.com/ahew5505/sentiment\\_analysis.git](https://github.com/ahew5505/sentiment_analysis.git)

- Identified and Synthesized critical factors driving market acceleration in the wireless speaker sector based on online review data and survey responses
- Utilized generative AI and natural language processing to churn insights from qualitative data
- Formulated and presented actionable recommendations to grow market presence based on new trends, providing a concrete roadmap to ensure growth