

# Jordan Best, PhD

## Data Analyst

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I am a data analyst with a background in biological research and healthcare project management. Through my educational and professional career, I have developed a strong skill set in data analytics and I am eager to continue my growth in those areas. Throughout my career, I have used data analytics to drive business decisions and improve processes, as well as to answer impactful questions in research. I excel at working with data and communicating it to tell a meaningful story and answer difficult questions. In addition to my technical skills, I bring a diverse set of transferable skills that are valuable for data professionals. I am passionate about learning and continuously expanding my skillset; my natural curiosity and love of problem solving make me a great fit for your analytics team. I look forward to the opportunity to use my skills and experience to contribute to your company's success.

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## SKILLS

**SQL** – database import and manipulation (incl. complex joins), Common Table Expressions (CTE) and analysis  
**Python** – exploratory data analysis (EDA) and data manipulation using *pandas*, *numpy*, *matplotlib*, and *seaborn*  
**PowerBI/Tableau** - development of data visualization via interactive dashboards  
**Excel** – data analysis and visualization, as well as lookup and pivot table functions  
**Prism** – statistical software used in analysis of complex biological data  
**Git/GitHub** – Version control

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## DATA ANALYTICS EXPERIENCE

### DATA ANALYST

Since 01/2023

Nashville Software School | Nashville, TN

*6-month intensive data analytics training. The program emphasizes practical application of Python, SQL and Excel technologies for addressing real-world business problems by organizing and cleaning data, exploratory data analysis, preparing effective data visualizations and data storytelling.*

*Projects included:*

- Analyzed Medicare claims data to analyze provider ordering patterns using SQL.
- Analyzed a comprehensive baseball data set to derive insight into the relationship between team salary and total wins, as well as career success and right or left handedness using SQL.
- Imported, cleaned, and analyzed gross domestic product and internet usage data in Python using *pandas*, *matplotlib*, *seaborn*, and *numpy*.
- Developed a dashboard in PowerBI that reports on behavioral tendencies of squirrels based on their age and fur color.
- Developed a dashboard in Tableau that displays trends in US smoking habits over a 20 year period, as well as a correlation to state smoking rates and lung cancer rates.

## PROFESSIONAL EXPERIENCE

### HEALTHCARE RESEARCH PROJECT MANAGER

Since 12/2020

Vanderbilt University Institute for Clinical and Translational Research | Nashville, TN

- Developed REDCap-based ordering instruments used by the Clinical Genomics Laboratory for Whole Exome Sequencing, panel sequencing, and known familial variant analysis.
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- Analyzing ordering data using Excel, including utilizing pivot tables and lookups and compiling data from separate orderables.
- Administering a hub website used to facilitate collaboration between a national consortium that combines DNA biorepositories with electronic medical records for large-scale research in support of genomic medicine.

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## **PROFESSIONAL EXPERIENCE (CONT'D)**

### **HEALTHCARE RESEARCH PROJECT MANAGER (CONT'D)**

Since 10/2019

Vanderbilt University Institute for Clinical and Translational Research | Nashville, TN

- Created data visualizations summarizing ordering metrics, financial outcomes, sign-outs, turn around times, and more, provided directed to hospital leadership each month.
  - This model was presented directly the President of the hospital to support a request for new hires
  - Conclusions from this model directly led to the hiring of 3 additional staff members in the lab
- Managing a diverse portfolio of projects including a microbiology clinical sample repository, the VUMC Clinical Genomics Laboratory, a VUMC lab governance committee, a discarded placenta biobank, healthcare economics modeling consortium
- Communicating with a diverse group of colleagues across the institution, from senior hospital leadership to software developers, research staff, financial analysts, and VUMC physicians.

### **POSTDOCTORAL RESEARCH ASSOCIATE**

08/2020 – 12/2020

Vanderbilt University | Nashville, TN

- Developed a streamlined technique for quantifying degrees of colocalization between sub-cellular structures in yeast cells using fluorescence microscopy and image analysis software.
- Utilized statistical software (Prism) to gain insight from descriptive biological data.
- Worked with bioinformatics tools to design and clone chimeric proteins for expression and purification.

### **DOCTORAL RESEARCH ASSOCIATE**

08/2014 – 07/2020

Vanderbilt University | Nashville, TN

- Analyzed image-based and flow cytometry-based data to gain insight into the dynamics of protein trafficking pathways.
- Successfully managed a doctoral project identifying and characterizing a novel trafficking pathway in eukaryotic cells, leading to a first-author publication and multiple presentations.
- Formally trained in biostatistics, experimental design, genetics, and cell biology.

### **LAB MANAGER**

05/2012 – 08/2014

University of Michigan | Ann Arbor, MI

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## **EDUCATION**

NASHVILLE SOFTWARE SCHOOL

01/2023 – 06/2023

Data Analytics Bootcamp

VANDERBILT UNIVERSITY

08/2014 – 07/2020

PhD Cell Biology

UNIVERSITY OF NORTH CAROLINA

09/2008 – 06/2012

BA Biology

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