Luke Morgan

1   SUMMARY

- Experienced clinical research professional with a demonstrated history of complex project management and people management in the pharmaceutical, health, and research industries. Skilled in MATLAB, SAS, SDTM, CDISC, Clinical Data Management, Databases, and LaTeX.

2   EDUCATION

- Master of Science in Health Informatics – Northern Kentucky University (2020 – 2022).
- Graduate Coursework in Applied Mathematics – Ohio University (2017 – 2018).
- Bachelor of Science in Applied Mathematics – Ohio University (2014 – 2017).

3   TECHNICAL SKILLS

- SAS (Advanced)
- CDISC Standards (Advanced)
- MATLAB (Intermediate)
- LaTeX (Intermediate)
- SQL (Elementary)
- Microsoft Office and similar

4   WORK EXPERIENCE

- Senior Manager, Clinical Data Standardization (Medidata AI) – Medidata Solutions (2022 – Present)
    - I act as a SDTM subject matter expert, supporting all SDTM programming and regulatory submission-related activities with the internal team and vendors.
    - I provide technical expertise for SDTM activities, help implement proprietary algorithmic data standardization models, and develop automation of internal processes.
    - I develop and manage best practices for data standardization to provide high-quality, regulatory-compliant standardized data including the development cross functional SOPs, Working Procedures and Guidance documents.
    - I review outputs of data standardization algorithms and automated statistical reports on multiple pooled trials, validate mappings, and make recommendations to improve data quality and model performance.
    - I help manage vendors and oversee deliverables.
    - I lead and conduct quality control for data standardization and regulatory submissions activities.
    - I act as a knowledge and training resource to our teams on SDTM and clinical data capture practices.

- Data Standard Analyst III (Biostatistics) – Medpace (2018 – 2022).
    - I was the department lead for SDTM for Clinical Data Review meetings.
    - I was the department lead for the validation of all cardiovascular, neurological, liver, and endocrine related studies.
    - I was the department's therapeutic expert for endocrine related indications.
    - I managed a small team of 5 SDTM programmers.
    - I assigned duties for our group of 50+ programmers.
    - I led numerous quality improvement initiatives to improve the operations of the department.
    - Lead biweekly training seminars.
    - I created annotated CRFs per CDISC SDTM standard, mapping specifications for study level data collection source data to CDISC SDTM, and created SDTM data via custom SAS programming.
    - I performed the validation of CDISC SDTM data in accordance with SOPs and ensured SDTM data conforms to the data standards expected by regulatory agencies.
    - I started as an entry level, promoted 3 times in 4 years.

- Research Assistant – Ohio University Mathematics Department (2016 – 2017).
    - I co-authored a biomathematical paper on *Saccharomyces cerevisiae*. I used Matlab to create the primary programs in the paper. I executed hundreds of thousands of simulations using the programs and recorded the results in excel. I eventually created a program to analyze the results of the simulations more efficiently.

- I reviewed over 100 academic papers in the areas of mathematics and biology to contribute to the theory for our paper.
- I attended weekly dynamical systems seminars and biweekly biomathematics seminars.

- Administrative Assistant – First Baptist Church (2015 – 2018).
  - I created and maintained important documents such as business reports.
  - I produced audio and video content.
  - I helped maintain the church's social media, including church website, YouTube, and Facebook Page.
  - I troubleshooted information technology and software issues as needed.

5   HONORS AND AWARDS

- Graduate Recruitment Scholarship (2017-2018).
- Ohio Achievement Scholarship (2014-2017).
- Ohio Distinction Scholarship (2014-2017).
- Ohio Promise Scholarship (2014-2017).
- Frank Hartsell & Family Scholarship (2014-2017).
- Ohio Pathway Scholarship (2014-2016).
- Ohio Chemistry Contest Scholarship (2014-2015).

6   INVOLVEMENT AND LEADERSHIP EXPERIENCE

- Financial Committee Member (Elected Position) – The Valley Church – Cincinnati, Ohio (2018-2021)
- Mathematics Department Representative for Ohio University Graduate Student Senate (2018).
- Donation of Tutoring Services – Logan Hocking School District – Logan, Ohio (2014 – 2017).
- Professional Leadership Certificate – Career and Leadership Development Center, Ohio University (2016).
- Eagle Scout Recipient – Logan, Ohio (2013).
  - After raising over $6,500 through donations, I organized the construction of a 24 x 40 foot shelter house for the First Baptist Church of Logan, Ohio. I donated over 350 hours and was at no cost to the church.

7   PUBLICATIONS

- Morgan, Moses, Young (2018). Coupling of the Cell Cycle and Metabolism in Yeast Cell-Cycle-Related Oscillations via Resource Criticality and Checkpoint Gating, *Letters in Biomathematics*.

8   BOOKS

- Morgan, Luke. (2025). *Introduction to Clinical Data Standardization.* 9798884659223 (Paperback), 9798312210002 (Hardcover).