

Jeanne Reppert

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OBJECTIVE

Accomplished professional, effective communicator, team player, and lifelong learner seeking to leverage my strong problem-solving skills to start a new career as an entry level bioinformatics programmer.

EDUCATION

University of North Carolina, Greensboro

Master of Science in Informatics and Analytics
August 2019 – May 2021 | GPA: 4.0
Honors: Phi Kapp Phi Honor Society

North Carolina A&T University, Greensboro

Post Baccalaureate Studies in Elementary Education
August 2004 – December 2005 | GPA: 4.0

Westminster Theological Seminary, Philadelphia

Master of Arts in Religion
August 1990 – May 1994 | GPA: 3.6

University of North Carolina, Chapel Hill

Bachelor of Arts in Music and Religious Studies
August 1984 – May 1988 | GPA: 3.04

SKILLS

- Programming Languages: R, Python, MySQL, and SAS
- SAS Enterprise Miner and Enterprise Guide
- Shiny Dashboard and Power BI
- Statistical programming including univariate and multivariate analysis, functions, loops, data manipulation, and simulations
- Machine learning and analytics in Python utilizing pandas, numPy, seaborn, scikit-learn, and PySpark packages
- Strong team leadership, project management, and communication skills
- Descriptive and predictive analytics with regressions, decision trees, random forest, k-means clustering, neural networks, natural language processing, and sentiment analysis
- Web page development (HTML and CSS)

PROJECT HIGHLIGHTS (for more project details see jeannereppert.github.io)

Capstone Project: Misinformation and Covid-19 in Popular Health Websites

- Created case study by analyzing web and social media content from three alternative health websites
- Scraped all 2020 articles from websites with rselenium and rvest
- Collected tweets from Massmine, Facebook posts from CrowdTangle, and web traffic data from Semrush
- Performed data cleansing, text mining and sentiment analysis in R for more than 7000 articles, tweets and posts
- Visualized the results with ggplot, wordcloud, igrph, and plotly in R

Internet of Things Project with Power BI

- Programmed sensors in Arduinos to collect data to send to google sheets with IFTTT applets
- CSV files merged, cleaned, and transformed using in R and visualized with Power BI Dashboard

World Happiness Data with Shiny Dashboard

- Utilized three datasets from the UN World Happiness survey to clean and visualize resulting data with Shiny Dashboard

MySQL Project – Animal Rescue Database

- Designed ER diagram for database and used MySQL to create database and perform queries on data

World Happiness Regression Analysis with SQLite3 and Spark

- Cleaned data with pandas, normalized and transformed data with scikit-learn, and visualized results in plotly and seaborn
- Used SQLite to create a database with 6 datasets containing environmental, fiscal, and demographic data for 155 countries
- Used PySpark for regression analysis to determine which variables within the dataset best predicted World Happiness scores

EXPERIENCE

Graduate Assistant, UNCG, Informatics and Data Analytics Program Greensboro, NC <ul style="list-style-type: none">Assisted in research in social media and web page analyticsScraped, cleaned, analyzed, and visualized data for projects and publicationsParticipated in a research group investigating Covid-19 misinformation using case studies and machine learning applicationsAssisted with program development, outreach, and website maintenance	August 2019 – May 2021
Academic Dean and Teacher, Hope Academy Greensboro, NC <ul style="list-style-type: none">Served as 5th – 8th grade Humanities teacher and curriculum facilitatorHeld position of Academic Dean in final yearTracked, reported, and created visualizations of student performance dataTrained, mentored, and supervised teaching staffDeveloped and implemented organizational policiesDesigned and implemented curriculum for 5th – 8th grade core and elective classesSelected and supervised assessments in all grades and subjects	August 2012 – August 2019
Classical Conversations Director Jamestown, NC <ul style="list-style-type: none">Taught Logic, Latin, Literature, Science, Debate, Mock Trial, and Algebra to 8th grade homeschool studentsTaught English grammar and writing to 4th grade home school studentsManaged all aspects of business processes and student recruitmentSubstitute Teacher for Foundations Classes	August 2007 – May 2012
Teacher, Jones Elementary Greensboro, NC <ul style="list-style-type: none">Served as interim 4th grade English teacher	December 2005 – June 2006
Private Music Instructor Greensboro, NC <ul style="list-style-type: none">Self-employed piano and violin teacherManaged all aspects of business processes and student recruitment	August 1999 – June 2011
Assistant Manager and Buyer, Westminster Seminary Bookstore Philadelphia, PA <ul style="list-style-type: none">Supervised employeesDeveloped database program for store inventory and salesDeveloped and maintained web page and store catalog	August 1990 – August 1995
Clerk, UNC Hospitals Chapel Hill, NC <ul style="list-style-type: none">Provided clerical support for PT and OT departments and Emergency DepartmentAssisted with preparations for JCAHO certificationRepresented department during insurance auditsMaintained department database for patient billing	June 1988 – August 1990

VOLUNTEER WORK

Board Member, Hope Academy Greensboro, NC	August 2019 – Present
Board Member, Early College at Guilford PTA Greensboro, NC <ul style="list-style-type: none">Served as PTA President for 2012/2013 school year	August 2010 – May 2013
Board Member, Early College Robotics Team Greensboro, NC	August 2012 – May 2013
MathCounts Coach, Guilford Home Educators Greensboro, NC	August 2008 – May 2011
Coordinator, Piedmont Regional Science Fair for Non-Public Schools Greensboro, NC <ul style="list-style-type: none">Supervised and coordinated annual science fair for an 11-county region	August 2009 – May 2012
Board Member, Ayuda Community Center Philadelphia, PA <ul style="list-style-type: none">Founding member of the Board of DirectorsGED teacher, supervised college and high school interns	August 1992 – May 1995