

# Jordan Moak

Software QA Engineer / Statistical Programmer

## Address

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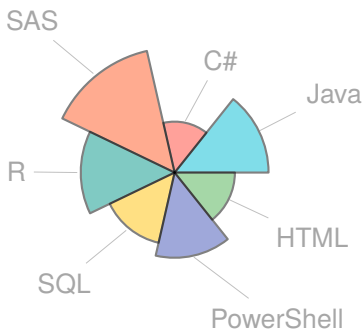
## Email

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## Summary

Dedicated, enthusiastic, and passionate programmer with experience in testing automation and the statistical analysis associated with medical device QA and clinical trials. Driven by the prospect of exceeding expectations in the confrontation of challenging projects and responsibilities which expand personal skills, knowledge, and problem-solving ability. Ambitious individual offering a combination of exceptional motivation and a great logical sense to ensure the completion of projects ahead of expected timelines.

## Programming



## Experience

09/14 - Now **DV Software Engineer** [Roche Diagnostics \(Contracted through PRO Unlimited\)](#)

Work both within a team and independently to write tools and test cases in order to verify the functionality of statistical and tracking applications in web portal and mobile application environments. Validate the processes and statistical analyses of software applications developed in the SAS BI development environment in regards to system requirements. Ensure mobile phones meet specifications and requirements within an application-device-web system.

- Created and maintained a reusable suite of tools using a combination of Java, Selenium, Powershell, and SAS to both automate and simplify the effort necessary to validate software within standard processes.
- Independently develop SAS programs to conduct statistical analyses and create output for verification of software operations, following system specifications and requirements documents.
- Lead and operate within a team to create test scenarios and generate the associated datasets and input parameter files to ensure proper functionality of software applications.
- Investigate malfunctions and discrepancies in order to provide detailed feedback and offer solutions to software developers.

## Future Interest

Java ★★★★★  
Selenium ★★★★★  
Appium ★★★★★  
C Sharp ★★★★★  
SQL ★★★★★  
R ★★★★★  
SAS ★★★★★

03/14 - 08/14 **Programmer/Analyst** [The Stevenson Company](#)

Operated as a member of an IT/development team to produce, maintain, and update statistical web applications and tools for market research. Developed statistical procedures to conduct quality control analyses and clean new data entering the system.

- Implemented programs to systematically clean data and produce statistical output for data monitoring.
- Evaluated existing methods of data processing to improve efficiency and code readability, as well as converting existing SAS programs into MySQL and PHP.
- Investigated anomalous occurrences and statistical trends to provide feedback to clients.
- Executed and reviewed methods to produce accurate market sizing calculations.

## Personal Skills



## More Experience

01/13 - 12/13 **Statistical Programmer**

STATKING Clinical Services

Collaborated within a programming team to complete data management and statistical analysis of 20+ phase I, II, and III clinical trials in various therapeutic areas. Developed CDISC standard SDTM and ADaM submission datasets using the SAS programming language. Produced SAS programs to generate safety and efficacy tables, listings, and figures.

- Lead the production of 160+ analysis tables and listings for a Phase III Clinical Trial.
- Designed SAS programs as tools to complete common tasks more efficiently.
- Operated in accordance with standard operating procedures (SOPs) to ensure the employment of good clinical practices.
- Authored and executed Data Management Plans, Program Design Documents, Logic Checks, Test Plans, and Test Plan Summary Reports.
- Created data entry screens and edit check validations using electronic data capture software.

01/08 - 06/08 **Intern/Student Teacher (Mathematics)**

Little Miami Junior High

Assisted in class instruction and maintaining productive and enjoyable work environment for students. Created keys, recorded and maintained records for student assessment, and reviewed lesson plans to ensure accordance with state education regulations. Tutored students individually to better solidify understanding of the material.

## Programming Packages

### SAS

SAS-Macro, SAS BI, SAS ODS, SAS Graphics, PROC Report, PROC SQL, PROC Tabulate, PROC IML

### Java

JUnit, Selenium, Appium, JSoup, Swing

### R

RPostGresSQL, RSQLite, multcomp, ggplot2

## Education

2008 - 2013 **Bachelor's Degree in Mathematics**

Northern Kentucky University

Specialization in Applied Mathematics

2008 - 2013 **Bachelor's Degree in Statistics**

Northern Kentucky University

Capstone project written in the R programming language to detect anomalies in credit card usage data, then predict the legitimacy of such detections as occurrences of fraudulent behavior.