

# Jon Starnes

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## SUMMARY

Data Analyst, Statistical Programmer, Website Administrator

*Statistical Analysis Methods, R statistical programming, SAS, SQL, GIS, JDE EnterpriseOne, Google BigQuery, Teradata, JavaScript, Python, Data Cleaning, Data migration*

## EDUCATION

**Master's in Public Health**, Georgia State University, Atlanta, GA 2017

**Masters of Arts**, Anthropology, Georgia State University, Atlanta, GA 2013

**Bachelor of Science**, Anthropology, Kennesaw State Univ. Kennesaw, GA 2010

### Certification work:

Full Stack Development (FreeCodeCamp), Managing Big Data with MySQL & Data Visualization and Communication with Tableau(Coursera) 2017

## EXPERIENCE

### Spectraforce at Shire Pharma

Social Circle, GA | Oct. 2016 - Current

*Quality Data Analyst at Shire / Baxalta Pharmaceuticals Plant*

- Migrated and merged data from an Oracle database to Excel using oracle data connections and Microsoft Power Query.
- Submitted and validated Work Order requests for production calibration and maintenance and **data metrics** in Oracle JD Edwards EnterpriseOne ERP (Enterprise Resource Planning).
- Designed Daily and Weekly Planning Activities templates in Excel for Maintenance and Engineering.

### Deerland Enzymes

Kennesaw, GA | Periodic since 02-2017

*Independent Contractor / Statistical Analysis (Clinical Trial Data)*

- Analyzed clinical trial data using Independent T-Tests, Percent Change and Chi-square tests, and Relative Risk calculations, and Linear Regression when appropriate.
- Created **data visualizations** for the sales team to use in presentations to customers.
- Wrote up research paper sections including statistical methods, results and summary review points in the discussion section.

### Freelance

Atlanta, GA | May 2016 - Current

*Freelance Data Analyst and Manager using Upwork*

- Cleaned, and entered data; Reviewed survey questions for quality and best practices.
- Coded Qualitative research interviews for Social Science research.
- Wrote and uploaded a tutorial on using 'R' and SQL with Google's BigQuery (big data) API.

- Statistical analysis script written in R that executed binomial distribution comparisons and Chisquare tests of changes in proportions.
- Currently assisting a doctoral student with a review of the qualitative and quantitative analysis dissertation chapters, and follow-up analysis on select variables using linear regression

## Deerland Enzymes

Kennesaw, GA | Oct. 2015 - May 2016

### *Research Data Analyst (Clinical Trial Data)*

- Produced data analysis on clinical trial results using lab serum data and survey data.
- Created publication ready **data visualizations** for past and current clinical trial research data.
- Wrote and prepared IRB applications for clinical trials.
- Drafted research papers from executive summaries (**technical writing**).
- Identified a bacterial genome and determine its phylogenetic placement (basic bioinformatics).

## Georgia Dept. of Public Health

Atlanta, GA | Aug. 2014 - July 2015

### *Research Data Analyst (Intern)*

- Cleaned and ported raw child language assessment data from Excel into SPSS, then to R.
- Performed **data analysis** in R to analyze child language assessment scores and demographics data, including results reports tables, multiple linear regression results, interaction plots, and multiple factor scatterplots in R.
- Scored and entered hearing and language assessments for the 100 Babies Project.

## Marcus Autism Center

Atlanta, GA | Jan. 2015 - May 2015

### *Data Entry Research Analyst (Observational Data Intern)*

- Collected and entered observational data for autism language research.
- Validated Observational research data and scored language scale assessments.

## School of Public Health, GSU

Atlanta, GA | Aug. 2013 - Aug. 2014

### *GIS Data Analyst (Graduate Research Assistant)*

- Designed statistical map visualizations from US census datasets in ArcGIS to support research **data analysis** goals for Health Econometrics research.
- Cleaned and **migrated data** from raw health and census datasets to ArcGIS.

## Program Impact Analysis

Atlanta, GA | Feb. 2013 - June 2013

### *Data Manager*

- Managed data with CRM software like Capsule, MS Excel, and Google for Business
- Managed communications and related records for prominent food aid campaigns

## OTHER EXPERIENCE

### **Department of Anthropology, GSU**

Atlanta, GA | Aug. 2012 - May 2013

#### *Graduate Teaching Assistant*

- Designed and created all the online content for the Desire2Learn Online Course portal.
- Led instruction and discussions when my professor supervisor was away.
- Graded non-essay exam questions and assisted with exam study sessions.

### **Center for Intl Media Education (CIME)**

Atlanta, GA | Jan. 2012 - July 2013

#### *Assistant Director of New Media*

- Managed and created website content CIME, and partner sites JMEM, AUSACE, and the 2012 AUSACE conference (including live streaming)
- Created social media accounts for news and live events

### **Weber Shandwick / Fitzgerald Co.**

Atlanta, GA | May 2011 - Nov. 2011

#### *Website and Social Media Manager*

- Edited and maintained new content for the Hope 2020 website.
- Proposed and created a new project to feature HOPE Scholars and their profiles.

## RESEARCH EXPERIENCE

2014 Research Assistant, Georgia Department of Public Health, Office of Science and Academic Affairs. Data Analysis and Literature Review for a Child Language Study.

This research was conducted as part of a pilot intervention study to assess and investigate the effects of promoting early reading education and exposure to parents of children from under-served families. Samples of children were selected from families receiving assistance through WIC. The children were given a pre-test survey and a pretest from the MCDI and PLS-5 Language Inventories. Follow-up testing was scheduled to conclude in 2015 or 2016.

2014 "The Prevalence of a priori Neuroimaging and Genetic Endophenotypes Associated with non-syndromic Autism Spectrum Disorder" MPH Thesis in progress, School of Public Health, Georgia State University.

2013 Statistical Mapping/GIS, and Data collection. Worked as a graduate research assistant under Dr. Lee Mobley, School of Public Health, Georgia State University.

## RESEARCH PROJECTS

- 2013 Post hoc Outbreak Investigation of Tuberculosis in Sheboygan Wisconsin.  
This was a semester long group research project and presentation for Case Studies in Epidemiology
- 2012 Environmental Sampling and Lab Analysis for Public Health Lab and Environmental Health.  
All lab partners collected water, soil and air samples for the Public Health Laboratory course and wrote original reports for each.
- 2012 Ethnographic Research Study of an Adult Asperger's and High Functioning Autism support group.  
This was a semester long project in Qualitative Methods consisting of primary data collection and coding that culminated in a paper and presentation.
- 2010 "Land History of Fernbank Incorporated Properties". Fulton and DeKalb County and Atlanta city archival research to retrieve property records to show the land ownership history of the Fernbank Corporation. Included a phase one survey of an abandoned historic garden on Fernbank property, GPS based creation of the walking path of Fernbank, and GIS mapping of ecological way points on Fernbank Museum land buffer zones. Internship Capstone, Kennesaw State University.
- 2009 Excavation and lab documentation of artifacts from a Neanderthal rock shelter in the Catalunya region of Spain. Universitat Autònoma de Barcelona.
- 2009 Holland Site Archaeological Survey of a Woodland Indian Settlement, Cartersville, Georgia. This work also included volunteer time cleaning and processing material finds.
- 2008 "Hand-assisted bipedalism in Orangutans at Zoo Atlanta". Observational research study on the locomotive adaptations of captive Orangutans, Kennesaw State University.

## **PUBLICATIONS**

### **Working Papers from Industry**

- 2016 Deaton J, Ryan, G.T. and Starnes, J. "Genomic characterization of a novel *Bacillus subtilis* subspecies: *Inaquosorum* DE111". Direct Submission to National Center for Biotechnology (NCBI). Submitted (15-JAN-2016) Research and Development, Deerland Enzymes, 3800 Cobb International Blvd, Kennesaw, GA 30152, USA
- 2017 Deaton J., Cuestas A., Ardita A., and Starnes, J. "The effect of *Bacillus subtilis* DE111 on the daily bowel movement profile for people with occasional irregularity." Deerland Enzymes, 3800 Cobb International Blvd, Kennesaw, GA 30152, USA

### **Presentation and Working Paper**

- 2014 Mobley, Lee, and Tzy-Mey Kuo, Jon Starnes, Diana White, Victoria Udalova, Jeffrey Traczynski, Julia Koschinsky. "Person, Place, and Regulation: Predictors of Geographic Disparities in Individual Use of Colorectal Cancer Screening in the US". Conference paper presented by Lee Mobley at the Academy Health Annual Research Meeting (ARM) 2014.

## PRESENTATIONS

- 2015 Starnes, Jon "Language Nutrition Intervention: Analysis of Child Language Pretest Scores on the MCDI and PLS-5: Evaluating Parent Education and Parent Reading effects on Child Language Scores". Poster presented at the Georgia State University, School of Public Health, Summer Practicum Symposium. July, 2015, Atlanta, GA.
- 2014 Starnes, Jon "Gatekeeping Melungeon Heritage: Experiences with Genetic Genealogists, and How They Shape and Determine Identity". Poster presented at the Annual Meeting of the Georgia Academy of Science, March 28-29, 2014.
- 2012 Starnes, Jon "Biosociality from Historical human labor use to the Asperger's Biosocial and Technical Identity". Graduate Research Seminar, Theory and Praxis: Georgia State University, February 23, 2012CV/Starnes
- 2009 Starnes, Jon "From Stone to Steel: From Stone to Steel: Macroscopic and Microscopic Comparison of Sharp Force Trauma on Bone". Poster presented at the 14th Annual Symposium of Student Scholars: Kennesaw State University, Kennesaw GA, April 13, 2009