Natascha Ivy-Israël

387 Landis Road, Hyndman PA • (469) 396-6451 • nataschaisrael@yahoo.com
Resume website link: http://natascha.cowboycodez.com/

Objective:

I am currently seeking a data scientist position where I can learn from others, expand my knowledge base, and leverage my deep research and analytic skills and innate curiosity.

Education:

Auburn University, *Auburn AL*   **August 2019**
Ph.D. in Wildlife Science
Attended Auburn University's Bioinformatic Bootcamp (Summer 2018)
Overall GPA: 4.0

Texas Tech University, *Lubbock TX*   **December 2013**
M.S. in Wildlife, Aquatic, and Wildlands Science and Management
Overall GPA: 4.0

The College of New Jersey, *Ewing NJ*   **May 2011**
B.S. in Biology
Minor in Fine Arts
Member of Phi Beta Kappa, Beta Beta Beta, and Golden Key Honor Society
Overall GPA: 3.89

Relevant Employment History:

Auburn University, *Auburn AL*
Graduate Research Assistant   **June 2018 – August 2019**
Main duties included extracting and quantifying DNA from tissue samples, performing bioinformatics on raw sequence data, statistical analyses for data analysis portion of my dissertation (mainly using R and Python), writing dissertation (4 chapters), submitting chapters for publication.

Graduate Teaching Assistant   **January 2016 – June 2018**
Writing consultant and editor for the School of Forestry and Wildlife Science as part of the Miller Writing Center of Auburn University. I was also responsible for leading deer darting for the DeerLab of Auburn University, which involved organizing undergraduate volunteers, handling tranquilizer drugs, collecting blood and tissue samples, etc.

Texas Tech University, *Lubbock TX*
Graduate Research Assistant   **January 2012 – December 2013**
Collected water samples along Pecos River, performed laboratory analyses on water samples, identified algae present in water samples (for thesis and concerned private landowners), worked with several state agencies, performed statistical analyses for thesis (mainly using SAS).

Relevant Skills:

- ***Technology*** - I have strong computer skills and can quickly learn any software program or system. I have some hands-on real-world experience with computer programming and would like to gain more. Below are a few languages, programs and technologies that I am familiar with:
    - R, Python, SAS
    - BASH scripting
    - PAST, OpenMEE
    - Geneious, MEGA, IQ-TREE, FigTree
    - ArcMap/GIS
    - Microsoft Office Suite
    - Academic internet research

- ***Mathematics*** - I enjoy math and have a natural ability to understand numbers and calculations. I was acknowledged for my contributions towards a statistical textbook by Drs. Peter Westfall and Kevin Henning (Understanding Advanced Statistical Methods). Below are a few subjects that I am particularly strong in:
    - Statistics (regression, multi-variable modeling, model selection, multivariate analyses, Bayesian analyses, structural equation modeling, biostatistics, statistical genetics, meta-analysis)
    - Advanced calculus
    - Algebra

- ***Communication*** - I am a gifted communicator and speak several languages with a high degree of proficiency. I know how to listen and when to talk. I am also an experienced technical and academic writer and have experience getting scientific manuscripts published in peer-reviewed journals. I am fluent in English and Dutch. I can also understand German, Flemish, French, and Afrikaans, though I do not speak these languages fluently.

- ***Tutoring*** - I have experience leading both individual and group tutoring sessions. I am blessed with a knack for explaining complicated topics in a way that is concise, intuitive, and easy to understand. Below are a few of the subjects I have tutored others in:
    - Statistics
    - Biochemistry
    - Anatomy
    - Physiology
    - Academic writing
    - Genetics