Daniel L. Robertson

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EXPERIENCE

September 2014 - present

ORISE Fellow, *Centers for Disease Control and Prevention*

- Automated the retrieval of data from surveys using computer vision and machine learning algorithms in C++
- Used web scraping techniques using Python and MongoDB to automate the quality control of data deliveries to the team
- Provided high quality data visualizations to aide in the analysis of data

October 2013 - August 2014

Intern, *National Association of County and City Health Officials*

- Created reports and tools for the analysis of surveys in R
- Conducted an extensive longitudinal data analysis using R
- Used data visualization tools in Python to create geovisualizations for reports

December 2014 - April 2014

Intern, *Association of State and Territorial Health Officials*

- Synthesized data and current literature for reports
- Assisted in the creation of surveys

EDUCATION

2012 - 2012   **Master of Public Health in Epidemiology** *George Mason University*

2012 - 2014   **Graduate Certificate in Biostatistics** *George Mason University*

2007 - 2012   **Bachelor of Science in Community Health** *George Mason University*

Software

2015   **bfork**
- Author of bfork, https://cran.r-project.org/web/packages/bfork, an R package for basic Unix process control. The package allows R users to quickly fork and manage child processes.

2015   **LibreOffice**
- Submitted over 40 accepted patches to the LibreOffice core

Languages   C/C++, Python, R, Scala, NoSQL, Bash, LaTeX

CONFERENCE & POSTER PRESENTATIONS

September 22, 2015   Daniel L. Robertson, Jin-Mann S. Lin. Application of computer vision and machine learning to public health data validation. CDC/ATSDR Statistics Day. Atlanta, GA

August 26, 2015   Daniel L. Robertson, Kathryn H. Jacobsen, Heibatollah Baghi. Hunter-killed deer as a predictor of notifiable disease rates for Lyme disease and Babesiosis in New Jersey Counties, 1997 to 2013. International Conference on Emerging Infectious Diseases. Atlanta, GA

HONORS

2014   **Delta Omega Honorary Society in Public Health**, *Gamma Tau Chapter*

2014   **Phi Kappa Phi Honors Society**

2014   **GMU Graduate Service and Leadership Award**