

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
- Maintained, secured, and configured team computers running on Linux

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

bfork

2015 - present

- 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.

LibreOffice

2015 - present

- Submitted over 40 accepted patches to the LibreOffice core

Languages

C/C++, Python, Scala, SQL, R, \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