

Daniel L. Robertson

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EXPERIENCE

September
2014 - present

ORISE Fellow, *Centers for Disease Control and Prevention*

- Created a library in C++ using computer vision and machine learning techniques with object oriented design patterns to retrieve handwritten data from surveys
- Used web scraping techniques with 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

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

2016 - present

Servo

- Submitted over 10 accepted commits to Servo

2015

LibreOffice

- Submitted over 40 accepted commits to the LibreOffice core

2015 - present

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.

Languages

Rust, C/C++, Python, Scala, SQL, R, Bash, ~~TeX~~

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