

Daniel L. Robertson

(571) 451-9241
dan.robertson@anidata.org
<http://danrobertson.org>
<https://github.com/dlrobertson>

EXPERIENCE

- May 2016 - present **Software Engineer, Tripwire**
- Come back later to find out!
- September 2014 - May 2016 **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 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
 - Used data visualization tools in Python to create geovisualizations for reports

Open Source Software

- 2017 **Sylkie** - Author
- Tool for IPv6 address spoofing with the Neighbor Discovery Protocol
- 2016 **Servo** - Contributor
- Contributed to various components of the servo browser engine while focusing on work pertaining to the IPC implementation used
- 2015 **LibreOffice** - Contributor
- Used template metaprogramming and various features of c++11 to enhance the readability and performance of various components

Languages & Skills

Rust, C/C++, Python, Scala, SQL, x86 Assembly, \TeX

EDUCATION

- 2012 - 2014 **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*

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**