

# Daniel L. Robertson

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http://dlrobertson.com  
https://github.com/dlrobertson

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## Languages & Skills

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Rust; C; C++; RISC-V & x86 Assembly; ~~TeX~~

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## Open Source Software Highlights

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### Linux

- Authored the BMA400 Accelerometer IIO driver.

### Rust

- Implemented support for C `va_list` and C variadic functions.
- Fixed several internal compiler errors.

### Smoltcp

- Implemented IPv6 support and assisted in project maintenance.

### Mythril

- Implemented host ACPI table parsing and building guest ACPI tables.

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## EXPERIENCE

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April 2022	- present	<b>Senior Software Engineer</b> , <i>Mozilla</i> <ul style="list-style-type: none"><li>• Implemented, improved, and tested related web standards.</li><li>• Aid in developing the Firefox Asynchronous Panning and Zooming component.</li><li>• Triage bug reports from Firefox users related to scrolling.</li></ul>
April 2019	- April 2022	<b>Member of Technical Staff</b> , <i>Star Lab</i> <ul style="list-style-type: none"><li>• Develop and maintain a custom Linux Security Module.</li><li>• Develop and maintain two custom Linux filesystems implemented in the kernel.</li><li>• Develop filesystem command line tools written in Rust.</li><li>• Field incoming bug reports from customers and debug any issues.</li></ul>
May 2018	- June 2019	<b>Machine Intelligence Engineer</b> , <i>Embedded Intelligence</i>
May 2016	- June 2018	<b>Software Engineer</b> , <i>Tripwire</i> <ul style="list-style-type: none"><li>• Wrote libraries and tooling for profiling SMB servers using SMB over TCP.</li><li>• Used standard open source tools to find and fix memory errors.</li></ul>
September 2014	- May 2016	<b>ORISE Fellow</b> , <i>Centers for Disease Control and Prevention</i>

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## EDUCATION

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2014	<b>Master of Public Health in Epidemiology</b> <i>George Mason University</i>
2014	<b>Graduate Certificate in Biostatistics</b> <i>George Mason University</i>
2012	<b>Bachelor of Science in Community Health</b> <i>George Mason University</i>

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## CONFERENCE PRESENTATIONS

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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
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