

Daniel L. Robertson

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Languages & Skills

Rust; C; C++; RISC-V & x86 Assembly; \LaTeX

Open Source Software Highlights

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.

EXPERIENCE

April 2022	- present	Senior Software Engineer , <i>Mozilla</i> <ul style="list-style-type: none">• Aid in Maintaining the Asynchronous Panning and Zooming component of Firefox.
April 2019	- April 2022	Member of Technical Staff , <i>Star Lab</i> <ul style="list-style-type: none">• Maintain a custom Linux Security Module.• Maintain two custom filesystems.
May 2018	- April 2019	Machine Intelligence Engineer , <i>Embedded Intelligence</i>
May 2016	- June 2018	Software Engineer , <i>Tripwire</i> <ul style="list-style-type: none">• Wrote libraries and tooling for profiling SMB servers using SMB over TCP.• Used standard open source tools to find and fix memory errors.
March 2016	- March 2019	Board Member , <i>Anidata</i> <ul style="list-style-type: none">• Taught the Fundamentals of Python bootcamp at the General Assembly.
September 2014	- May 2016	ORISE Fellow , <i>Centers for Disease Control and Prevention</i>

EDUCATION

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

CONFERENCE 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
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