Daniel L. Robertson

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

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**, *Mozilla*	

- Implemented, improved, and tested related web standards.
- Aid in maintaining the Asynchronous Panning and Zooming component of Gecko.

April 2019 - April 2022	**Member of Technical Staff**, *Star Lab*	

- Maintain a custom Linux Security Module.
- Maintain two custom Linux filesystems.

May 2018 - April 2019	**Machine Intelligence Engineer**, *Embedded Intelligence*	
May 2016 - June 2018	**Software Engineer**, *Tripwire*	

- 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**, *Anidata*	

- Taught the Fundamentals of Python bootcamp at the General Assembly.

September 2014 - May 2016	**ORISE Fellow**, *Centers for Disease Control and Prevention*	

EDUCATION

2014	**Master of Public Health in Epidemiology**	*George Mason University*
2014	**Graduate Certificate in Biostatistics**	*George Mason University*
2012	**Bachelor of Science in Community Health**	*George Mason University*

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