Lisanna Dettwyler

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Summary

I like solving hard problems that enable others to do their best work. I apply principles from DevOps, test driven development, formal methods, and CI/CD to build resilient and trustworthy relationships between people, software, and hardware.

Experience

Research Engineer
Axon Terminal LLC

Jul 2021 - Present (2 months +)

Freelance contractor focusing on automated software & silicon verification, HPC networking & accelerators, defense-centric cybersecurity, and DevOps.

Software Integration Engineer
Galois, Inc.

Oct 2020 - Jul 2021 (10 months)

Built and supported products, services, processes, and automation to increase researcher productivity, and defined and championed DevOps practices.

Software Engineer
Intel Corporation

Jul 2016 - Sep 2020 (4 years 3 months)

Developed, verified, debugged, and integrated Linux system libraries and runtimes with Intel Omni-Path HPC networking and Intel Xe GPU compute products and accelerators.

Software Developer Internship
Intel Corporation

Jul 2015 - Dec 2015 (6 months)

Debugged and contributed to open-source HPC interconnect library implementation and verification for Intel Omni-Path.

Software Developer Internship
Daimler Trucks North America

Apr 2014 - Sep 2014 (6 months)

Developed visualizations, CAN bus interfaces, and advised on IC designs for an in-cab interactive data display in Freightliner's DoE SuperTruck contract.

Education

Oregon State University
Bachelor of Science - BS, Computer Science
2011 - 2016

Skills

Linux • C (Programming Language) • Nix / NixOS / NixOps • Python (Programming Language) • DevOps • Formal Verification • Synopsys tools • Debugging • High Performance Computing (HPC) • GPGPU