

Zacharie Day

Software Engineer

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Education

The George Washington University School of Engineering

B.S., Computer Science

2016 - 2020

Skills

Languages. C#, Java, Python, Kotlin, C/C++, shell scripting

Platforms. Web-apps (HTML/CSS, React, others), Android, .NET, relational databases, build systems (CMake, Gradle), CI pipelines (Travis)

Other. Experience leading and contributing to open-source projects

Experience

Intelligent Automation, Inc. (acquired by BlueHalo)

Research Engineer

JANUARY 2021 - PRESENT

- Performed research & development for various projects with a focus on virtualization technologies
- Wrote periodic technical summaries to aid in communication with government points of contact

The George Washington University SEAS Computing Facility

Software Engineer & HPC Systems Analyst

JUNE 2018 - JANUARY 2021

- Lead a team for a small-scale full-stack development project
- Provided support to users on the Pegasus HPC cluster

Projects

[sunneed](#) / Project lead & main developer

A supervisor application for multi-tenant solar-powered computers able to enforce power usage constraints for tenant applications

[OpenNetVM](#) / Contributor

An application that leverages Intel's DPDK to virtualize packet-level network applications

[CompositeOS](#) / Contributor

A research microkernel with security and isolation guarantees



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