

Niles Rogoff

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Experience

Meta

May 2020 – October 2023

Production Engineer

Summer 2019 (Internship)

- 2020-2022: Worked on [Async](#), a large distributed task queue for other teams at Meta
- 2023: Worked on [Delos](#), a distributed consistency platform for control planes at Meta

C2S Consulting Group

Summer 2018 (Internship)

Cloud Developer

- Created the [CloudPeel](#) product to help visualize the status of resources in the cloud
- Currently deployed with NRO for deployment with the federal government to help manage their \$2 million/month AWS bill.

Optimal Satcom

Spring 2018 (Internship)

Software Development Intern

- Worked on Payload Resource Management, a project to overhaul an 11-year old [satellite capacity management program](#) to support satellites with digital (channelized) payloads, allowing transponders to be reconfigured from the ground.

University of Washington

Summer 2017 (Internship)

Software Developer

- Developed Cold Chain Management applications using the [Open Data Kit](#) platform
- Ongoing work to deploy in Angola by Village Reach and Uganda by PATH.

University of Maryland

Summer 2015 (Volunteer)

Research Assistant

- Worked on [Project Sidewalk](#), using machine learning and computer vision to analyze images from Google Street View for curb ramps, creating an app to help people with mobility impairments find accessible directions

Education

Virginia Tech

July 2016 – December 2020

BS Computer Science

Summa cum laude. GPA: 3.73, In-Major: 4.00, VT Honors College, Dean's List with honors

Skills

Core Languages

C & C++ // Python // Ruby // C# // SQL // Java // Javascript

Systems

Linux // POSIX // Windows Server

Extras

AWS // Red Hat // React // SQLite // MySQL // PostgreSQL // netfilter // SELinux // Lighttpd // Powershell // Docker

Personal Projects

mako-server – Modular web server in Python / **libPME** – RFC2083 implementation for editing PNG files / **BTEdb** – Schemaless database engine / **2bit** – Downsampling image converter, with a frontend written for mako-server / **cerb** – System for creating powerful dynamic web templates in C / **And More** – including a PGP web of trust visualizer, a regular expression compiler, parser and lexical analyzer, found at <https://github.com/nilesr>