

GALEN GUYER

✉ galen@galenguyer.com
☎ (360) 797-9404

🐙 github.com/galenguyer
🌐 galenguyer.com
🌐 in/galenguyer

EXPERIENCE

Bryx

DevOps Engineer

📅 May 2022 - Present 📍 Rochester, NY
Designed and tested a deduplication system migration from Redis to self-hosted CockroachDB for reduced latency and increased reliability
Built a tool to open the database firewall for managed kubernetes nodes to allow for access from within the cluster without manual intervention
Tools: Kubernetes, Puppet, Rust, Go, Python, CockroachDB

Council Rock

DevOps Intern

📅 January 2022 - May 2022 📍 Rochester, NY
Moved cloud deployments from virtual machines to Kubernetes within AWS, including diagnosing and resolving issues with long-lasting UDP connections caused by Linux kernel configurations
Tools: Kubernetes, Linux

Blackbaud

DevOps Intern - Raiser's Edge NXT

📅 May 2021 - August 2021 📍 Remote
Worked with the Splunk API to automate creation and updating of alerts in bulk from version-controlled files
Tools: PowerShell, Splunk

Microsoft

Software Engineering Intern - One Customer Voice Team

📅 June 2019 - August 2019 📍 Redmond, WA
Improved item grouping for the internal feedback aggregation tool by exposing all previously hidden top level fields and automatically detected field type via ElasticSearch mappings, greatly increasing both the granularity and flexibility for users
Tools: C#, ASP.NET, ElasticSearch, AngularJS

Software Engineering Intern - Office Security Penetration Testing Team

📅 June 2018 - August 2018 📍 Redmond, WA
Developed a PowerShell script to create a Windows VM, automatically install Office, gather debugging symbols for Office, and send these to a Microsoft Security Risk Detection server to install and start a fuzzing run
Tools: PowerShell, Microsoft Security Risk Detection, Azure, ASP.NET

PROJECTS

RIT COVID-19 Dashboard

🌐 <https://ritcoviddashboard.com>

Wrote a Python scraper to check the official dashboard on an interval and update a SQLite database with the numbers from the official dashboard, then expose current and historical data with a JSON API and a React app showing current data and trends with graphs
Tools: Python, SQLite, Flask, React, Docker

HOSTSdotTXT

🐙 <https://github.com/hostsdottxt>

Wrote an API and authoritative DNS resolver in Rust to serve DNS records from a PostgreSQL database, achieving a 99th percentile latency for resolving queries of under 2ms with near-instant propagation of changes by using native PostgreSQL replication
Tools: Rust, PostgreSQL, ReactJS

SKILLS

Languages

Rust Go React Python HTML/CSS
JavaScript C# PowerShell

Tools

NGINX Linux Git Docker Docker Compose
Traefik Azure Bash PostgreSQL MongoDB
Flask Ansible Terraform Kubernetes

EDUCATION

Rochester Institute of Technology

Applied Sciences B.S.

📅 May 2024

ACTIVITIES

Computer Science House

System Administrator

📅 April 2020 - Present
Maintain House Services such as the student-run server room and all services within it, including an OpenShift cluster, a Proxmox cluster, and FreeIPA user management

Amateur Radio Operator

Amateur Expert

📅 September 2022 - Present
Licensed Amateur Radio Operator with Amateur Expert class license and Volunteer Examiner

Society of Software Engineers

Technology Head

📅 August 2021 - December 2021
Responsible for maintenance and development of the organization's website, server, and other systems

Accessibility Learning Labs

Software Engineer

📅 May 2020 - August 2020
Worked in a federally funded research program to develop React apps to demonstrate the importance of accessible software to students and developers

Boy Scouts

Eagle Scout

📅 September 2017
Achieved Boy Scouts' highest rank after earning 26 merit badges and designing, coordinating, and leading a 100+ hour service project