

# GALEN GUYER

Seeking Summer 2020 Internship  
as a Backend Software Engineer

## EDUCATION

Rochester Institute of Technology

Software Engineering B.S.

📅 Expected Graduation May 2023

## EXPERIENCE

Microsoft

Software Engineering Intern - One Customer Voice Team

📅 June 2019 - August 2019 📍 Redmond, WA

- Improved item grouping for the internal feedback aggregation tool
- Defined project scope and requirements within a tech spec and documented UI and backend changes in a design doc
- Exposed all previously hidden top level fields and automatically detected field type via Elasticsearch mappings, greatly increasing both the granularity and flexibility for users
- Implemented frontend, backend, and tests with 100% backend code coverage

Tools: C#, ASP.NET, Azure Service Fabric, Elasticsearch, AngularJS

Microsoft

Software Engineering Intern - Office Security Penetration Testing Team

📅 June 2018 - August 2018 📍 Redmond, WA

- Automated resource gathering, provisioning, and deployment of fuzzing jobs
- 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
- Implemented a server to collect, deduplicate, and report new bugs
- Worked closely with the Microsoft Security Risk Detection team to help improve their project as it was not publicly released

Tools: PowerShell, Microsoft Security Risk Detection, Azure, ASP.NET

## PROJECTS

GenericBot

🔗 <https://github.com/MasterChief-John-117/GenericBot>

- Provides moderation tools and fun commands to over 20 servers totaling over 14,000 users
- Uses C# to connect to Discord's API and stores all user data encrypted in a self-hosted MongoDB instance
- Exposes user-stored quotes via a webpage with an ASP.NET API and JQuery frontend for responsive search

Tools: C#, MongoDB, ASP.NET, HTML, JQuery, Azure Build Pipelines

Worldwide CDN

🔗 <https://gallery.mastrchef.rocks>

- Consists of four Azure Virtual Machines distributed around the globe to provide the fastest server to the user based on geographical location
- Uses inotifywait and rsync to distribute updated files from central server to all edge servers automatically
- Serves an attractive, lightweight photo gallery with nginx and PhotoFloat

Tools: Azure Virtual Machines, Azure Traffic Managers, Bash, Nginx

## CONTACT

@ galenguyer@outlook.com

☎ (425) 898-3145

in [linkedin.com/in/galen-g/](https://www.linkedin.com/in/galen-g/)

🔗 [github.com/MasterChief-John-117](https://github.com/MasterChief-John-117)

## SKILLS

Languages

C# PowerShell JavaScript

Tools

Azure NGINX Linux Git Bash

## ACTIVITIES

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

Computer Science House

Member

📅 August 2019 - Current

Computer Science House is an organization at RIT that aims to advance students' Computer Science knowledge in an active learning environment with hackathons, seminars, and projects

King County Explorer Search and Rescue

Member

📅 August 2017 - August 2019

Trained for and participated in backpacking search and rescue missions under the King County Sheriff