

Graham Robert Eger

Software Engineer

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Education

University of Michigan – Ann Arbor

Ann Arbor, MI

- B.S. in Computer Science, May 2019
- Significant Coursework: Web Systems, Operating Systems Engineering, Computer Networking, Finance, Computer Security, Data Structures and Algorithms
- Michigan Sailing Team – Competed in 2 Collegiate National Championships. Director of Travel.
- Delta Tau Delta Fraternity – Chapter President
- University of Michigan Club Sports Executive Board – VP Public Relations

Experience

S/V Exile

Lake Michigan

Engineering Consultant - Sailing Data Analyst - Crewmember

April 2021-Present

- Designed and installed combined NMEA and IP network using OpenWRT router operating system and display systems onboard high-performance 29-foot sailboat with external cellular, wifi, and GPS hardware, and weather resistant PoE to displays and sensors allowing *unparalleled* data access and navigation abilities on deck.
- Managed logistics of onshore and offshore yacht management. Including but not limited to, navigation and relocation of assets, repairs of electronics and rigging, as well as other general maintenance.
- Finished on the podium in all but one regatta during the 2021 season. Won top performance at Chicago Yacht Club Verve Cup.

Newance Consulting

Remote

Engineering Consultant - Part-time

February 2021-April 2021

- Built and presented "Tech for Tech Recruiters" presentation to a panel of technical recruiting firms and recruiting teams across multiple industries.
- Consulted with the recruitment team to support candidate selection, interview assistance, and industry knowledge.
- Performed technical interviews as well as general technical consulting tasks focused on decreasing friction within internal processes.

Capital One Financial

Chicago, IL

Senior Associate Software Engineer - Acquisitions

August 2019-January 2021

- Designed and built full-stack platform using Go, NodeJS, and React to build analytics and tracking platforms for GitHub Enterprise pull requests using patent pending technique.
- Built, launched, and maintained real-time correspondence stack using Java SpringBoot and PostgreSQL for delivering regulatory notices to end-users.
- Promoted to Senior Engineer in July 2020. Left in January 2021.

Quicken Loans

Detroit, MI

Software Engineering Intern – Mortgage Servicing

Summer 2018

- Designed a front-end application in AngularJS and TypeScript for end users to manage their work for a given day.
- Developed a Servicing Prioritization API using .NET Core to prioritize and deliver action items to end users. Improving servicing efficiency by over 50%.
- Gathered servicing performance data leading to new insights used to improve workflow efficiency.
- Transitioned web-app from Angular 5 to Angular 6, and ASP.NET to .NET Core. Reducing LOC by 15%.
- Developed suite of tests and CI/CD for .NET Core app, moving test coverage from 60-100%.

MSX International

Detroit, MI

System Administrator – North America

Summer 2017

- In a client-facing role, administered Windows and Linux systems, focusing on the hardware, software and server infrastructure running both Windows and Linux environments for MSX International's entire North American market.
- Oversaw conversion from legacy network switches to Cisco SDN, deployment of site-to-site VPNs using L2TP.
- Engineered and tested worldwide ransomware incident response business process by leading training sessions.
- Developed and administered a custom honeypot based anti-phishing framework to actively train end-users on scam-mail.

Junior System Administrator – North America

Summer 2016

- Assisted the Global Technology Services team on a variety of technology projects.
- Provided custom system setup and on-call VIP desk-side support for C-level executives.
- Created and maintained virtual environments for critical business applications running in the cloud and on premises.

Technical Skills

- Languages/Frameworks Used: NodeJS, Go, React, Java Spring Boot, Go, C++, C, Python, C#, TypeScript, Angular, SQL; R; HTML/CSS/JS; ARM assembly
- Technical Strengths: Containerization and deployments (Docker Swarm & K8s), Performance Optimization, Data Structures & Algorithms, Network Programming, Linux System Optimization, Cloud Platforms.