

**OBJECTIVE** Software engineer with 2 years of experience looking for a fast-paced collaborative work environment.

**EDUCATION** University of Michigan College of Engineering, Ann Arbor, MI May 2019  
 Bachelor of Science in Engineering, Computer Engineering  
 GPA: 3.53 / 4.00, *magna cum laude*  
 Relevant Coursework: Data Structures and Algorithms, Operating Systems, Advanced Embedded Systems, Computer Networks, Web Systems

**SKILLS**

Languages	Technologies	Certifications
C/C++ (Gtest)	Linux (Ubuntu, Red Hat, Arch)	CompTIA Security+
Java (JUnit, Gradle)	Bash (git, vim, gdb, valgrind)	
Python (Django, Flask)	Docker, Kubernetes, Vagrant	
Javascript (React)	AWS (EC2)	
Golang	SQL (SQLite)	
Assembly (ARMv8, PowerPC)	Atlassian suite	
Bash	LogRhythm	

**EXPERIENCE**

**Raytheon Technologies** June 2019 - Present  
*Software Engineer I (Software Engineer II effective April 3, 2021)* Aurora, CO

- Implement new full-stack features on agile product team with rapid development cycle to meet program's accelerated contract deadline
- Develop across multiple environments from containerized microservices using Kubernetes, React and ELK stack to Java Enterprise Edition applications
- Received highly effective performance rating and promoted on accelerated schedule due to high impact contributions on multiple programs
- Increase team's velocity by consistently completing more story points per sprint than estimated per software developer
- Designed candidate hiring tracker by consulting with directors, hiring managers, and talent acquisition to understand and fulfill their needs through metrics and automated action items; increased number of candidates processed per month from 200 to 1000 and shortened hiring process time from 45 days to 30 days

**Dynetics** May 2018 - August 2018  
*Engineer Trainee I* Huntsville, AL

- Worked on a team of 10 to emulate a PowerPC processor in C++ and Python; emulator will be used to run simulations and find exploits in weapon systems
- Researched and designed the memory management unit for the emulator; generated documentation outlining design decisions and action items; led a 60-minute design meeting to confirm and discuss these design decisions with the team
- Implemented and rigorously tested PowerPC opcodes, ranging from memory access instructions to floating-point arithmetic instructions
- Worked collaboratively with the team to accomplish tasks using the Scrum Agile Software Development system

**Novacoast** May 2017 - March 2018  
*Security Operations Center Analyst* Ann Arbor, MI

- Used multiple SIEM systems to monitor, detect, analyze, and resolve security incidents affecting clients in real-time to ensure integrity of systems and data
- Attended to clients' needs by writing informative and concise security reports, escalated severe compromises by calling the client to advise them of the situation
- Decreased false positives across all clients by tuning AI Engine Rules in the LogRhythm environment, thereby increasing productivity of the 25 person team

**PROJECTS**

**The Brewhob: Senior Multidisciplinary Design Project**

- Created a retrofittable espresso machine control board which allows coffee shops to upgrade their existing machines without hassle
- Prototyped and completed a working product within one semester in a group of 5 students with unique experiences and skillsets
- Personal contributions included network socket programming, embedded software programming, PCB component design, and documentation