

1210 Gyros Ct, Bel Air, Md 21014 **Christopher Michael Wagner**

Towson University

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## **PROFESSIONAL SUMMARY**

Creative cyber operations and mathematics undergraduate looking to refine DevSecOps and Blue-team skills while having the opportunity to serve his country. Bringing a deep understanding of cloud operations, CICD pipelines, container security, and cryptographic design, paired with a hungry mind ready to be challenged and learn.

## **EDUCATION**

Towson University (3.838) 8000 York Rd, Towson, MD 21252

M.S. Computer Science - Cyber Operations 12/2024

Towson University (3.838) 8000 York Rd, Towson, MD 21252

B.S. Computer Science - Cyber Operations, Minor Mathematics 05/2023

Harford Community College (3.74) 401 Thomas Run Rd, Bel Air, Md 21015

Worked towards Mathematics degree

C. Milton Wright High School (Weighted: 4.254) 1301 N Fountain Green Rd, Bel Air, MD 21015

## **COURSEWORK**

High Assurance Containerization and Cloud Computing Study

Advanced Topics in Computer Security

Application Security

Operating System Security

Network Security

Systems Programming

Cryptography

Operations Research

Differential Equations

Calculus 1,2,3

Database Management Systems

## **SKILL SET**

Golang, Python, C, x86-64, BASH, Node.JS, TS

AWS (IAM, ECS, EC2, S3, EventBridge, CloudTrail, VPC, EB, ...), Terraform, Github, Azure DevSecOps, Docker, CircleCI, Sentry, Coralogix, MongoDB

Container Security, Agile, Cloud Networking, Shell scripting, Automation, Monitoring, Secure CICD pipelines, Incident Response, backend development/design, Linux (hardening,

management)

Organization, adapting, leading, communication, working in teams, critical thinking

## EXPERIENCE

SecurEd Inc.

- January 2021 - Present
- Development Security Operations Engineer (DevSecOps)
- Lead Terraform IaC implementation for new and existing staging/prod infrastructure
- Lead IAM policy refactor/enforcement
- Lead CircleCI orb development for SecurEd
- Designed and implemented docker compose microservice development environment
- Manage and automate monitoring for production services on AWS and MongoDB
- Developed an Incident Response procedure and policy
- Optimized encryption techniques for data communication between clients and APIs

NAVSUP BSC

- June 2022 - August 2022
- IT Specialist Intern
- Worked on developing CICD pipelines for a variety of applications

Cyber4All/CLARK

- October 2020 - December 2020 (renamed to SecurEd inc.)
- 20 hours per week
  - 10/26/2020 - 12/18/2020 (9 weeks)
- Junior Software Developer
- Design/Implemented Node.Js Express API for caeresource.directory
- Wrote CRUD operations interfacing with MongoDB
- Developed and deployed a microservice in Golang on AWS Fargate
- Implemented account authentication using JWT
- Wrote endpoint tests

## KEY PROJECTS

**High Assurance Containerization and Cloud Computing:** Independent study focusing on container security to provide high assurance on cloud platforms. Focus of the study include practical solutions to container security topics such as vulnerability management, reducing attack surfaces in container deployments, access control, automated security controls, operating in cloud infrastructure, and sensitive data separation.

**Serverless File Managing Microservice:** Designed and implemented a microservice interfacing with S3 and MongoDB that recurses a shallow-minor graph by making eventbridge requests to start up new Fargate instances.

**Incident Response Plan:** Researched, designed, implemented, and practiced the new incident response plan and policies by teaching the development and operations teams. The plan referenced the SANS Institute, NIST, and the White House's memos.