

# Thomas Glass

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Cybersecurity Engineering senior who is driven to connect my passion for cyber security with my qualities of being detail-oriented, methodical, analytical, organized, and team-focused. I am seeking a position at an innovative company where I can utilize my experience of using problem-solving methods and collaboration to develop software and overcome unexpected problems. I am currently located in the Midwest but am looking forward to relocating to the Washington, DC area.

## EDUCATION

**Iowa State University** - College of Engineering - Ames, IA May 2023  
Bachelor of Science - Cybersecurity Engineering GPA 3.32

- Academic Dean's list
- Relevant Coursework: Cryptology, Cybersecurity Fundamentals, Network Security, Threat Analysis, Firewall Management, Software Development Life Cycle, Network Scanning, Algorithms, Front-End Software Development

## ACADEMIC EXPERIENCE

### Teaching Assistant

*Operating Systems: Principles and Practice*

- Assisted in the design, preparation and delivery of lectures and lab activities for a 300-level course in operating systems
- Mentored and provided individualized support to 100 students, helping them grasp challenging concepts and improve their grades
- Collaborated with the course instructor to revise and update course materials, including the syllabus, lecture slides, and homework assignments

### Network Design, Pen Testing & Remediation

*Cybersecurity Tools*

- Conducted penetration testing on multiple university networks to identify vulnerabilities and potential exploits in systems, leading to the discovery and remediation of successful attacks. Evaluated and documented defenses for the systems
- Improved the security of computer and network configuration and management by implementing recommended measures that successfully mitigated vulnerabilities such as SQL injection, remote code execution, URL interpretation, and port security issues
- Detected and prevented security threats, including covert communication, malicious code, and other security threats resulting in a 40% reduced risk of covert communication and a 25% reduced risk of malicious code attacks through the use of security patches

### Music Sharing Application Development

*Software Development Practice*

- Collaborated in developing the front end of a dynamic music sharing application, inspired by the social media platform, leveraging the software development life cycle which improved user experience and interface design, resulting in a 20% increase in user engagement
- Employed Github for seamless version control, ensuring efficient collaboration while working on an Android Studio project programmed in Java through effectively managing code changes which achieved a 40% reduction in development time

## ADDITIONAL SKILLS

**Programming Languages:** Java, C, Python, JS, CSS      **Software Development:** Object-Oriented Programming, Front-End Development  
**Frameworks/Libraries:** React, BlueprintJS      **Tools/Technologies:** Docker, Software Development Life Cycle (SDLC), Agile Development

## WORK EXPERIENCE

**Chicago Union Ultimate Frisbee** - Youth Coach 2021

- Independently ran several Chicago Union, a professional sports team, summer camps for middle and high school-aged kids in the Chicagoland area
- Oversaw summer camp functions, including making decisions regarding risk management and daily plans
- Coached 30 youth players through the process of learning ultimate frisbee while fostering continuous growth

**DoorDash** - Delivery Driver 2020 - 2022

- Demonstrated professional conduct with clients to deliver outstanding customer service resulting in consistently high customer satisfaction scores while handling as many as 35 assignments per day

**Party City** - Sales Associate 2017 - 2019

- Developed strong customer management skills using knowledge of products and target customers
- Trained and developed new sales team associates in product knowledge, selling techniques, and company procedures