

Alec Cose

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Academics

- Iowa State University
 - Studying Cybersecurity Engineering
 - Expected Graduation Spring 2024
 - Current Cumulative GPA 3.56
 - Dean's List Fall 2020, Spring 2021, Fall 2021, Spring 2022
- Waukee High School
 - Graduated Spring 2020
 - GPA 4.00

Work Experience

- **Wellmark Blue Cross and Blue Shield**
 - Cyber Security Intern (May 2023 – August 2023)
 - Created spear phishing emails to validate employee security awareness.
 - Analyzed and triaged potential phishing emails submitted by employees.
 - Designed and programmed webpages for user registration.
 - Utilized Flask in python scripts for back-end work.
 - Designed front-end webpages using HTML/CSS.
 - Created dashboards using queries in the SIEM.
 - Audited changes made to firewall rules.
- **City of Waukee**
 - Field Crew and Field Crew Lead (June 2022 – August 2022)
 - Promoted to lead after a month and then assisted with the oversight of 12 field crew members.
 - Worked alongside the Field Crew to complete each day's objectives.
 - Performed field preparation and maintenance throughout the complex of 12 fields and ensured quality and cleanliness of all fields and facilities.
 - Parks Seasonal Laborer (June 2021 – August 2021)
 - Maintained cleanliness and quality of city parks and restrooms.
 - Planned and executed each week's watering of plants and trees.
 - Coordinated with other team members to ensure parks were mowed and trimmed.
- **Waldinger Corporation**
 - Operations Technology Intern (October 2019 – July 2020)
 - Worked in a small group to create an API program.
 - Reviewed and maintained HVAC inventory in spreadsheets.
 - Documented meeting agendas and outcomes.

Project Experience

- **Application Development**
 - Developed mobile auto battler game as a class project with a group.
 - Designed using Java.
 - Responsible for front-end design and game logic/functionality.
- **Vulnerability Analysis**
 - Completed as labs throughout several classes.
 - Worked with different protocols to learn best safety practices.
 - Review of OWASP Top 10 and remediation on different systems.
- **Penetration Testing Basics**
 - Completed as labs throughout several classes.
 - Conducted network reconnaissance and assessment using Nmap.
 - Located and exploited vulnerabilities with tools like Metasploit.
 - Documented and reported vulnerabilities with clear steps and instructions.

Skills

- Knowledge of Java, C, and Python (Flask and Pandas).
- Experience with Linux operating systems.
- Webpage design with HTML/CSS.
- Basic database query knowledge.
- Microsoft Attack Simulator.

Extracurricular

- Competed in an Iowa State Cyber Defense Competition (March 2022)
 - Set up and deployed active directory for team.
 - Located and removed intrusions and backdoors from systems.
 - Completed miscellaneous challenges like decoding messages.
- Rawson Hall Floor Treasurer (August 2021 – May 2022)
 - Managed residence hall floor's financial activities.
 - Made and documented purchases for floor events.
 - Planned events for floor residents.