

Alexa Yockey

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SUMMARY

As a motivated college sophomore with a strong foundation in computer science and a history of developing innovative projects, I am pursuing a challenging position as a Software Engineering Intern where I can have a meaningful impact.

EDUCATION

The Ohio State University

Columbus, OH

B.S. in Computer Science Engineering & B.S. in Physics

May 2026

Dean's List

GPA: 3.95/4.00

Relevant Coursework:

- Data Structures & Algorithms, Software Components, Software Development, Computer Ethics
- Calculus (Differential, Integral, Multivariable), Differential Equations, Linear Algebra, Statistics

PROJECTS

News Feed Sentiment Analyzer - Java Web Application

- Developed a dynamic news feed website via a networking API, which parses an RSS file for key article details and presents them in a sortable table
- Incorporated Natural Language Understanding by analyzing the sentiment of each article
- Enhanced website performance by implementing parallel processing and real-time updates

Augmented Reality Target Shooting Game - iOS App

- Developed an AR shooting game using ARKit and SceneKit in XCode
- Features dynamic physics-based interactions, three challenging levels with different target speeds, five power-ups, scoring, a timer, and high-score tracking

Maze Game with Custom Maze Generation - HTML/CSS/JavaScript Website

- Developed a multiplayer maze game website that showcases an efficient, original maze generation algorithm with customizable maze size & difficulty

“Hexagon” Game - iOS App

- Created an engaging iOS strategy game where players compete against an AI opponent, strategically placing tiles on a hexagonal board to dominate adjacent regions

Mastermind Game (Team Project) - MATLAB Application

- Led a team of four to program the board game Mastermind for a software game competition
- Demonstrated leadership and effective communication

SKILLS

Programming Languages - Java, HTML/CSS/JavaScript, Swift, Python

Technical Skills - Web Development, Mobile Development, Git, Debugging, Visual Studio Code, Eclipse, Data Parsing, Natural Language Processing

Soft Skills - Critical Thinking, Project Management, Collaboration, Communication, Adaptability

ACCOMPLISHMENTS & AWARDS

Valedictorian of Jackson High School, May 2022 (Ranked 1st out of 500 students)

National Merit Finalist, March 2022 (Top 1% out of 1.5 million)

AP Computer Science Exam Perfect Score, October 2021 (Top 0.48% out of 75,000)

Perfect 36 ACT Score, December 2019 (Top 0.31% out of 1.3 million)