**Faye Leigh**

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**EDUCATION**

**The Ohio State University** | Columbus, OH

*B.S.E. Computer Science and Engineering* Expected Graduation: May 2026  
*Studio Art & Animation Minors* Overall GPA (4.00 scale): 3.31 | Engineering GPA: 3.51

**COURSEWORK**

**Systems I (C, Assembly)**

* Created a game in C based on the game Breakout, complete with scoring, block removal upon collision, and multiplayer keyboard control
* Implemented a 4 line terse insert for singly linked lists for Breakout game project

**Software I/II (Java)**

* Numerous object oriented programming projects including XML to HTML parsing programs, singly and doubly linked list function implementations, sorting machines, graphical multi-function calculator

**Robot Design and Build Project**

* Collaborated as a team to design and build a self-propelled robot capable of navigating an obstacle course
* Designed model using AutoCAD and assembled model using preliminary design; modified chassis structure after testing procedures to improve maneuverability

**Game Design Project**

* Collaborated with a partner to develop a game for the Proteus using C++ and its API's

**Other Courses**

* Computer Science: Java, Software Development
* Mathematics: Calculus series; Linear Algebra; Fundamentals of Higher Mathematics; Engineering Statistics

**EXPERIENCE**

**Student Administrative Assistant** | *The Ohio State University* (2023 – Current)

* Student assistant for OSU CSE advising department and dance department (federal work study job)

**College Intern** | *Ohio Department of Public Safety* (2024)

* Intern under LEADS IT Programming and Security teams
* Participated in development and testing of user interface tools
* Compiled and evaluated NLET response data
* Created Excel spreadsheet scripts and formatting for presentation of data analysis

**Senior Crew Member** | *Hot Chicken Takeover* (2020 – 2022)

* Customer and food service experience, leadership experience directing shifts and crew members

**QUALIFICATIONS**

**Computer & Technical**

* Coursework and projects completed in Java and C
* Introductory experience with Python, Assembly, Shell scripts, C++, VBA, HTML, CSS, VHDL
* Experienced with FOX Messenger, Autodesk, AutoCAD, MATLAB, Intel Quartus Prime
* Extensive use of Microsoft Word, Excel, including VBA scripts
* Fluent verbal Chinese

**Certifications**

* LEADS TAC certified, licensed EMT

**Honors and Activities**

* Personal interest in 3D modeling/printing, photography, plants, archery, violin, gaming