

# Adam Fahrer

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## Projects

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Delve – 2022 Shawnee State Game Jam

September 2022 – October 2022

- Utilized the Godot Engine and GDScript to design a challenging platformer while incorporating the given theme of deception.
- Assumed the role of lead and directed a team of nine to produce a functional game within a 7-day period.
- Designed multiple mechanics from collectibles to omnidirectional moving platforms that can be easily manipulated by the level designer.

Critters – 2022 Shawnee State

October 2022

- Assigned the task of making a simple shooter-style game in the Unreal Engine but pursued an ambitious VR horror game that met the requirements.
- Developed aspects of noise detection through blueprints that will give the player the feeling that their actions will draw the enemies closer to them.
- Incorporated the use of the landscape and foliage tools to create a forest-themed environment to immerse the player further.

Pinball – 2022 Shawnee State

November 2022 – December 2022

- Improved upon my knowledge of the Unreal Engine by using a mix of both blueprints as well as C++ using Rider as the IDE and perforce for the repository.
- Tasked as the lead programmer and was the main designer of the gameplay features in the project.

## Skills

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|----------|------------|
| • Python | • Unreal 5 |
| • C/C++  | • Unity    |
| • C#     | • Perforce |

## Relevant Work Experience

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Shawnee State University – Portsmouth, OH

July 2021 – Present

*Lab Tech*

- Tasked with ensuring 60 computers stay operational with up to date software
- Manage leasing out items to students and faculty along with keeping records of the exchanges
- In charge of being available to fix a problem that someone is having with one of the machines be its connectivity issues, to a complete reformat of the machine.

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Jackson City Schools – Jackson, OH  
*Tech Intern*

Summer 2022

- Tasked with reinstalling computers across five different buildings to ensure a smooth start of the school year.
- Collaborate with a group of two others to convey accurate issues in a clear and concise manner.

## Other Work Experience

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Bellisio Foods (Food Manufacturer) – Jackson, OH  
*General Worker*

Summer 2020 – Summer 2021

- Collaborated with a team of 6-10 people all in charge of making sure the production line stays operational and ensuring duties are done in a safe and sanitary manner according to company and federal guidelines.
- Entrusted with releasing other workers on breaks and taking over their positions until they return.

## Education

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Shawnee State University – Portsmouth, OH

Fall 2020 – Present

*Bachelor of Science in Digital Simulation and Gaming Engineering*

- GPA: 3.76
- Dean's List (4 semesters)

Rio Grande University – Rio Grande, OH  
*General Education Program*

Summer 2019

## Relevant Coursework

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|--|--------------------------------------|
| • Calculus 1 & 2                                       | • Data Structures                    |
| • Game Programming Foundations 1 & 2                   | • Linear Algebra                     |
| • Computer Graphics 1 & 2                              | • Algorithms                         |
| • Concepts of 3D Graphics and Math                     | • Operating Systems                  |
| • Systems Programming                                  | • Realtime Interactive Programming 1 |
| • Object Oriented Programming and Software Engineering | • Calc-Based Physics                 |
|  | • Concurrency                        |
|  | • Networking and Communications      |