

# James Catbagan II

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## EDUCATION

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### Bachelor of Science in Computer Science The University of Texas at El paso (UTEP)

Anticipated 05/2028

**Relevant Coursework:** Intro to Computer Science, Elem. Data Structures, Data Structures

## EXPERIENCE

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### CTE IT

El Paso Independent School District

06/2022–08/2023

El paso, Texas

- Assisted with setting up **30 computers per week** for future students.
- Assisted staff with electronic classroom appliances.
- Performed maintenance for **10 different classrooms** to ensure everything works before the start of the school year.

## PROJECTS

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### Cheese Crusade | Godot, Gdscript

June 2025 – Present

- Developed a passion project that is currently being worked on for **100+ hours**.
- Built a player and enemy behavior management system by using Enums.
- Achieved 60 FPS on low end machines by lowering the amount of assets that are loaded in on startup.

### Basic Password Generator | Java

December 2024

- Learned how to make a random text generator to generate a password.
- Built basic password generator that gives the user **4 ways** to customize it.
- Implemented the ability to set how long the password should be, if there should be special characters, and if they want the password to be all lower case or uppercase.
- Applied a system where it prevents duplicates of a character from appearing.

### Maze Game | Java

March 2024

- Developed a terminal-based application that players have to guide themselves out of a maze.
- Achieved a way for users to apply their own mazes by using a text file.
- Created different ways to extract information from both txt and csv files.
- Added a safety net to prevent users from going out of bounds.

### Profanity Detector | Python, Discord.py

October 2025

- Created a discord bot that detects if a user has said some form of inappropriate language with **2000+ predefined trigger words**.
- Applied a way to prevent false positives by having the server owner to view flagged messages that violated a rule before giving the option to kick the user.

## SKILLS

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**Programming Languages:** GDscript, Python, Java

**Tools:** GitHub, Visual Studio Code, Godot, Discord.py

**Certifications:** CompTIA IT fundamentals (2022), TestOut PC Pro Certification (2022), TestOut Cybersecurity Pro Certification (2023)