

# Jaden Thomas

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## Skills Summary

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**Programming Languages:** Java, C, C++, Python, HTML, JS, CSS, Dart, Flutter.

**Operating Systems:** Windows 7/Windows 10/ Windows 11, MacOS, Linux, Android, IOS.

**Information Technology:** Computer Organization/Information Technology.

**Other Skills:** ChatGPT, Stable Diffusion, Pytorch, PyGame, Git, GitHub, SDLC, GDB.

## Projects

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### 2D C++ Console Game Engine | Personal Project June - 2023

- Created a C++ customizable game engine designed to create games that are playable within the console.
- Features include a customizable 2D playing space, custom entity types with specialized events, collision detection, and game loops.

### Wavefront Path Finding Algorithm | Personal Project March - 2023

- Created a C++ program to find the quickest route from a user defined starting point to a user defined ending point.
- Created and designed an algorithm for placing inaccessible areas within the environment.

### Zombie Conga Line | Course Assignment April - 2023

- Created and implemented a templated doubly linked list using C++ classes.
- Created custom methods to control the functionality of the linked list with methods including adding to front/end, removing from front/end, adding, and removing specific nodes, adding, and removing specific values.
- Created custom test cases to verify the quality of the methods used.
- Used tools such as GDB and address sanitizer to find and fix memory leaks.

### Personal Portfolio Website | Personal Project May - 2023

- Created a personalized website using HTML, JS, and CSS. Hosted on GitHub pages.
- Garnered enthusiastic responses from users who appreciated the clear and concise project section.

## Education

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### Paradise Valley Community College / Phoenix, AZ

Associate in computer science

June 2020 – November 2022

### ASU

BA, Computer Science

GPA 3.8

Expected November 2025

**Related Coursework:** Computer Organization, Data Structures and Algorithms, Advanced Programming, Fluency in Information Technology, Game Development.

## Other Work Experience

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### Dog Haus Biergarten, Gilbert, AZ

Lead line cook / Server

November 2019 - Present

- Leadership, teamwork, problem-solving, high-quality experience.