

ABED KHALIL

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PROFESSIONAL SUMMARY

Highly motivated final-year Computer Science student with a strong passion for software engineering and a specialization in C++. Eager to apply a solid foundation in object-oriented programming, algorithms, and software design principles to develop efficient and scalable solutions. Combines hands-on C++ project experience with over 3 years in technical roles, demonstrating advanced problem-solving skills, attention to detail, and a commitment to quality.

TECHNICAL SKILLS

- **Languages:** C++, C, C#, Python, Java
 - **Developer Tools:** Git, GitHub, Visual Studio, Android Studio
 - **Libraries / Frameworks:** SFML
 - **Concepts:** OOP, Data Structures, Algorithms, Unit Testing, Game Development
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EDUCATION

B.Sc. Computer Science — Hadassah Academic College, Jerusalem

PROJECTS

Converter Automation — Python, Selenium | 2025

- Developed an automated script to handle online file conversions, significantly reducing the manual effort and time required for the process. This project demonstrates practical application of web automation to solve real-world problems.

Feeding Frenzy Game — C++, SFML | 2025

- Developed a 2D arcade game featuring dynamic sprite animations, precise collision detection, and a parallax scrolling background to create an engaging user experience.

Age of Wars Game — C++, SFML | 2024

- Authored and implemented a comprehensive suite of **unit tests**, achieving **80% code coverage** and significantly improving software reliability and maintainability.

Mouse vs Cats Game — C++, SFML | 2024

- Implemented the A* pathfinding algorithm to create intelligent enemy AI, rigorously testing pathing logic to meet complex functional requirements.
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Relevant Experience

IT Support – Hadassah Academic College, Jerusalem | 2023 – Present

- Provide comprehensive technical support for over 4,500 users, troubleshooting a wide range of hardware and software issues.
- Manage end-to-end issue resolution, consistently maintaining 100% SLA compliance and ensuring high levels of user satisfaction.
- Document and analyze recurring technical issues to identify root causes, contributing to improved system stability and a better user experience.