

Salem Satea Elatrash

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Profile Summary:

Driven second-year computing student with an unwavering passion for software engineering. I am eager to contribute innovative solutions, leveraging a strong foundation in diverse programming languages

Experience:

Personal Project: Survival Game

Developed an immersive Survival Game utilizing Unity game development and C# scripting, aligning with the technical expectations of the role and showcasing proficiency in computer science fundamentals and practical programming skills.

- Envisioned and implemented dynamic waves, power-ups, and a scoring system within **Unity** using **C#**, contributing to an engaging player experience.
- Demonstrated **problem-solving skills** by designing and implementing a persistent **data strategy** in Unity with **C#**, ensuring seamless progress resumption for players.
- Showcased algorithmic thinking by creating multiple unlocking levels within the Unity framework and implementing them through **C#**, enhancing the gaming experience with depth and replay value.

Personal Project: Mini Shop System

Executed a custom Mini Shop system for an NFT project, embodying the core competencies sought in the role.

- Utilized programming languages such as **JavaScript**, **HTML**, and **CSS** to enable email-based
- communication for user requests, showcasing versatility in **web development**.
- Implemented comment limitations and a secure sign-up system
- demonstrating a commitment to enhancing user experience and preventing spam.

Personal Project: Coffee Shop Cash Register

Developed a **Java**-based Cash Register for a coffee shop, showcasing a strong foundation in computer science and practical programming skills.

- Applied knowledge of **object-oriented design** to create a user-friendly interface for efficient transaction processing.
- Demonstrated **problem-solving ability** by implementing change calculation for cash transactions and secure prompts for card input.
- Innovated a comprehensive record-keeping system with the integration of a notepad, showcasing attention to detail and efficient management practices.
- Ensured code efficiency, readability, and error-handling, contributing to a smooth user experience and aligning with the role's requirements.

Technical Skills:

Programming Languages: Java, HTML, C, C#, C++, JavaScript, CSS, SQL (2 Year experience)

Certificate: ZeroDays CTF, Symfonycast php level 1,2&3, HarvardCS50

Exploring: Python, PHP and open for more

Education:

Technological University Dublin Computing (Information Technology) Bachelor of Science

- **Fundamentals of Programming 1 2**
- **Algorithmic Problem Solving**
- **Web Development Client-Side**
- **Database Fundamentals**
- **Operating Systems**
- **Software Engineering & Testing**
- **Object Oriented Analysis and Design**
- **Interactive Multimedia**
- **IT Business Management**

References:

Available Upon Request.