

# Matthew Seol

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## EDUCATION

**The University of Texas at Dallas**, Richardson, TX

Expected May 2029

*Bachelor of Science, Computer Science*

- Coursework: Data Structures and Algorithms, Computer Architecture, Machine Learning, Embedded Systems

**Lewisville High School**, Lewisville, TX

May 2021

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, C#, HTML, CSS, JavaScript

**Operating Systems:** UNIX, Windows

**Databases:** MongoDB

**Frameworks & Tools:** VS Code, Bootstrap, Unity

## ACADEMIC PROJECTS

**Gamearly (Game Finder - In Progress) / Intro to Computer Science and Software Engineering**

Sep 2025 – Present

*HTML, CSS, JavaScript, Express.js, MongoDB, OpenAI API (GPT)*

- Developing a web-based game search and recommendation platform that integrates AI-driven suggestions using the OpenAI GPT API.
- Collaborating on front-end and back-end development, utilizing Express.js for routing, MongoDB for data storage, and responsive web design for a smooth user experience.

## PERSONAL PROJECTS

**3D Horror Game (Slenderman-Inspired)**

Sep 2023 – November 2023

*Unity, C#*

- Developed a 3D first-person horror game with AI-controlled enemies, dynamic lighting, and realistic maps designed using Unity and 3D graphic tools.

**Snake Game**

Sep 2025 – October 2025

*C++*

- Created a classic Snake game using C++ with a focus on modular programming, user input handling, and efficient game loop design.

**2D Platformer Game**

June 2023 – Sep 2023

*Unity, C#*

- Built a side-scrolling 2D platformer game featuring movement physics, collision detection, and level progression.
- Applied object-oriented programming principles to manage game mechanics and player interactions.

**Dog Tinder (Front-End Web App)**

August 2020 – Sep 2020

*HTML, CSS, Bootstrap*

- Developed a responsive web app with a clean, mobile-friendly UI using HTML, CSS, and Bootstrap.

## PROFESSIONAL EXPERIENCE

**South Korea Defense Intelligence Command**, Anyang, South Korea

June 2022 - December 2023

*Interpreter / Translator (Sergeant, Squad Leader Nominee)*

- Led interpreter teams and built a personnel tracking system, earning awards for leadership and excellence in cross-cultural military communication.

**Private Tutoring**, Seoul, South Korea

September 2021 - December 2022

*Math and English Tutor / TA*

- Mentored students with tailored lessons and adaptive teaching methods, strengthening their skills, confidence, and academic performance.

**Uniqlo**, Richardson, TX

September 2024 – Present

*Sales Associate*

- Collaborated with team members to meet sales goals and maintained organized, well-stocked displays in a fast-paced retail environment.