

Tate Johnson

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Aspiring game designer and software developer with hands-on experience in industrial simulation, game design, and full-stack web technologies, seeking to contribute in a challenging development role.

Education

Bachelor of Science in Computational Media
Georgia Institute of Technology, Atlanta, GA

Expected Graduation: May 2026

Relevant Courses: Object Oriented Programing, Data Structures and Algorithms, Intro to Artificial Intelligence, Computer Graphics, Media Device Architecture, Principles of Interaction Design, Video Game Design, Animation, Interactive Narrative, Advanced Video Production, Game AI, Contemp Lit & Culture

Experience Highlight

Automation and Simulation Intern
Andritz Inc., Alpharetta, GA

May 2025 – Aug 2025

Supported a team of chemical engineers developing training simulations for paper mill operators by creating automation tools, resolving system compatibility issues, and building software solutions to streamline deployment and data exchange processes. Gained expertise in industrial automation concepts and OPC server communication through mentorship.

- Developed a C# executable that automated manual version update performed every time the simulation was updated.
- Created an Excel macro to automatically generate registry (.reg) files for customer installations, eliminating manual copy-paste workflows and reducing deployment errors.
- Wrote a C++ DLL to handle endianness conversion of float data types, resolving data format compatibility issues between simulation software and control systems.

Projects

GameSweet (Java, Android Studio)

- Spearheaded a semester-long team project to develop three Android games: Gomoku, Go, and Wordle.
- Assumed leadership role, providing technical design assistance and overall project direction to team members.

Bon Appetit (Unity, C#)

- Created a 3D collection game with multiple levels in a team over four months
- Programmed the AI and collection systems, maintained them as the game grew

Technical Proficiencies

Programming Languages	Java, Python, HTML, CSS, JavaScript, C#, C, C++, VBA
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Software & Tools	Windows, Excel, Google Sheets, Visual Studio Code, Visual Studio, IntelliJ IDEA, Android Studio, Unity
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