

# Alex Newman

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**SUMMARY:** Computer science student specializing in data visualization and interactive tools. Excited to apply technical data expertise to real-world projects in a collaborative summer internship.

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## EDUCATION

Clemson University, Honors College

Expected Spring 2027

**Bachelor of Science in Computer Science;** Biological Sciences and Artificial Intelligence minor

GPA: 4.00

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## TECHNICAL SKILLS

**Programming:** Proficient in C, C++, Python, GDScript | Familiar with Java, R, SQL

**Development:** Proficient in Git, Github, VSCode | Familiar with Spyder, IntelliJ, Vim

**Software:** Proficient in ArcGIS, GIMP, Godot | Familiar with Blender, Unity

**Communication:** Native in English | Intermediate in Russian

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## RELEVANT PROJECTS

**Sole Seeker-** Video Game

Summer 2023 - Summer 2024

- Coded indie game in GDScript using Godot Game Engine
- Formed Dozing Bison LLC and published on Steam Marketplace, achieving 50+ purchases

**Character Claimer-** Social Media Bot

Winter 2023

- Implemented online character database using Python and SQL
  - 100+ users used to track and claim characters, with repeat engagement from active users
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## WORK EXPERIENCE

**GIS Mapping Research Assistant**

Summer 2025 - Present

Led by Dr. Chien-fei Chen

- Preserving 50+ government datasets and mapping many of them in ArcGIS
- Collaborating with sociology, GIS, and library archival office workflows
- Developing public-facing website with AGOL map exploration and Supabase backend for data hosting

**Drug Recovery Community Intern**

Summer 2023

FAVOR Upstate

- Reached out to 19 local businesses to find positions for recovering substance abusers
  - Attended daily group recovery meetings
  - Helped host 3 outreach events
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## ACTIVITIES AND AWARDS

**XR Development-** Research Project/Creative Inquiry

Fall 2024 - Present

- Work with professor and team to create immersive and interactive simulations
- Making historical trail simulations with Pendleton history/community preservation group
- Utilize Meta Quests and C# within Unity Game Engine and ArcGIS 360 VR

**Clemson Running Club-** Men's Captain

Fall 2024 - Present

- Attend intercollegiate track meets and lead practices 4x weekly
- Event coordinator for the Experimental Forest Trail Runners

**Clemson President's List**

Fall 2024-Spring 2025

**National Merit Finalist**

Summer 2024