

# Brian Barbosky

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## EDUCATION

### The Ohio State University

*Bachelor of Science in Computer Science; GPA: 3.7*

Columbus, OH

*Aug 2024 – Present*

Relevant Coursework: Software Components (Java), Linear Algebra, Engineering Statistics

### Columbus State Community College

*College Credit Plus Program; GPA: 4.0*

Columbus, OH

*2023 – 2024*

Calculus II & III Courses

### High School

*GPA: 4.0 / ACT: 34*

Upper Arlington, OH

*2020 – 2024*

Advanced Placement Calculus, English, and History

## SKILLS

**Languages:** C#, Java, Python(Beginner)

**Tools:** Visual Studio, Eclipse, Git, Unity, Blender

## PROJECTS

### 3D Open World Fantasy RPG Video Game | C#, Unity

2024-Present

Designed hundreds of AI character variations, thousands of interactive objects, hundreds of modular terrain node presets

Implemented progressive RPG mechanics, complex magic system with diverse effects, memory efficient disk streaming system for player-placed objects

### Full analysis of congressional redistricting with 1000+ speculative maps

2020-Present

Positioned district lines for various population metrics across all fifty states

Analyzed district data for demographic, turnout, and partisan metrics across different elections

### 3D Open World Survival Video Game with map of United States | C#, Unity

2021-2023

Designed wildlife system with hundreds of animals, transportation system for land and water, hundreds of terrain nodules simulating entire continental US

Implemented interactive features for survival mechanics, resource gathering system, equipment system with animations

## EXPERIENCE

### Model United Nations

Georgetown University

*North American Invitational*

*2024*

Selected to sponsor resolution at internationally recognized conference

### Technical Support

Local Real Estate Company

*Part-Time*

*2023*

Configured rental property pages on Zillow and Apartments.com.

Performed various technical support activities

### Product Instructional Video

Payments Company

*Video & Audio Editing*

*2020*

Created video instructing client use of ecommerce tool

## INTERESTS

Geographical analysis of political trends

Interactive systems design and 3D modeling related to game development

Plugin editing and cleaning for game modification

Data Analysis

Agentic development using local LLMs and RAG