

## RENOGADE FARN

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### EDUCATION

**Georgia Southern University, Statesboro, GA** - *BS in Computer Science*

**Relevant Coursework:** Data Structures, Algorithms, Distributed Systems, Software Engineering, Database Systems

**Georgia Southern University, Statesboro, GA** - *BS in Mathematics*

**Relevant Coursework:** Probability & Statistics, Mathematical Statistics, Statistical Computing with R, Data Analysis, Linear Algebra, Mathematical Modeling

### PROFESSIONAL EXPERIENCE

**Software Engineer | Inventure IT**

**March 2025- Present / Savannah, GA**

- Designed and maintained client-facing applications using ASP.NET Core, Blazor, C#, and SQL, including a MAUI Blazor hybrid Point-of-Care app used in dermatology clinics.
- Implemented responsive UI with HTML, CSS, and JavaScript, enhancing UX with features like search, sort, and pagination.
- Managed Agile workflows and deployments using Azure DevOps while collaborating with internal and external stakeholders across business-critical systems.

**Gameplay Programmer | Tupelo Labs**

**Jan 2024- March 2025 / Savannah, GA**

- Assisted in direction and planning of gameplay development for Demon Wars: Commodore's Command, a VR/MR tabletop strategy game
- Developed core systems using Unity3D, including Netcode for GameObjects, NavMesh AI, and VR controls
- Implemented support for hand tracking and controller input on Meta Quest 2 & 3
- Supervised and mentored interns, assigned tasks, and organized sprints using Trello Contributed to project direction, prototyping, and internal documentation

**Software Engineer Intern | Southern Automation Logistics & Technology**

**Jan 2023 - Dec 2023 / Statesboro, GA**

- Implemented confirmation popups using HTML5, Bootstrap4, and C# to allow patients to delete and restore claim tickets in the Complete MD medical software
- Enhanced SQL stored procedures to filter duplicate data in lab summary reports, wrote SQL queries to debug and troubleshoot software issues, and handle production on-call support tickets.
- Fixed search filters and added ASP.NET validation controls on toggles to improve search experience
- Resolved backend bugs to prevent email resets from not expiring

### PROJECT EXPERIENCE

**Demon Wars: Commodores Command** [Project Link](#)

- Developed a cross-platform VR/AR tabletop strategy game using Unity for the Meta Quest 2 and 3, combining immersive ship selection in VR with AR-based tactical board gameplay.
- Implemented multiplayer functionality using Unity Netcode and designed navigable AI using NavMesh systems.
- Leveraged the Meta Interaction SDK to enable intuitive hand-based controls and object manipulation.
- Coordinated development tasks and milestone tracking using Trello in a collaborative, agile environment.

**Warner Robins- Unity Augmented Reality Experience**

- Collaborated with an Air Force base to develop an AR experience using Unity3D and the Vuforia SDK, allowing users to scan real-world posters to spawn interactive aircraft models in augmented reality.
- Created and animated 3D airplane models in Blender for use in the AR scenes, optimized for performance across devices.
- Deployed the application on Android, iPhone, and HoloLens 2, ensuring cross-platform compatibility and a smooth user experience.

### TECHNICAL SKILLS

**Programming Languages:** C#, JavaScript, TypeScript, SQL, Java, C++, R, HTML5, CSS3

**Frameworks & Libraries:** .NET Core, ASP.NET, Blazor, Entity Framework, Spring Boot, Bootstrap, Unity XR Interaction Toolkit, Meta SDK

**Game & XR Development:** Unity (XR/VR/AR Development), Meta Quest 2/3 (Hand Tracking, Anchors, Netcode for GameObjects), VR Interaction Design, Physics Simulation, Shader Graph

**Cloud & DevOps:** Azure DevOps (Pipelines, Boards), Git, GitHub, Trello, Unity Version Control