Dartagnan Sams

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Education

Georgia Southern University — Dec. 2024
Bachelor of Science, Computer Science, (GPA: 3.0)

Augusta Technical College — Dec. 2021
Associate of Science, Mechanical Engineering, (GPA: 3.0)
Dean's List, Fall 2021, Fall 2024

Skills

Languages: Java, SQL, JavaScript, Python, C#, HTML, CSS
Frameworks: React, Django, Flask, .NET, Angular, Bootstrap, Keras
Tools: OracleDB, Git, MongoDB, MySQL, Unity, Android Studio, Linux, Docker, CI/CD, Blender

Experience

CodePath — May 2024 – Present
Tech Fellow
- Guided student learning and assisting 2 instructors in teaching web development concepts like React.js, JavaScript, and database operations
- Led an average 4 students per class session in Python programming, resulting in a 30% improvement in student LeetCode challenge completion
- Mentored 12 students in deploying React apps with Supabase-driven CRUD operations, resulting in a 40% increase in successful project completions

PEMDAS Productions — Jan. 2024 – May 2024
Game Design Intern
- Delivered comprehensive pitches to stakeholders, encompassing key aspects such as gameplay mechanics, visual aesthetics, and user experience considerations
- Built and refined 10 levels in Unity using ProBuilder and environmental assets using blender

Southern Automation Logistics and Technology — Aug. 2023 – Dec. 2023
Software Engineer Intern
- Enhanced the Georgia Dermatology & Skin Cancer Clinic website, contributing to front-end design, reducing page load time by 40% using HTML, CSS, JavaScript, Bootstrap, and ASP.NET
- Mitigated a persistent issue in patient notes by refining T-SQL stored procedures, leading to a 15% increase in efficient data retrieval
- Implemented Azure DevOps for project management, resulting in a 25% reduction in bug resolution time and a 30% increase in on-time task completion

Projects

VR Zombies
- Built a VR zombie survival game in Unity using C#, Meta Quest, AI NavMeshes, and a custom skybox, where players survive waves of zombies and progress through increasingly challenging rounds

Machine Learning app
- Utilized the NEAT algorithm to evolve neural networks and implemented a UI for real-time AI analysis, resulting in a 25% improvement in performance through data-driven decision-making

Leadership Experience

Resident Advisor
- Spearheaded 5 community engagement initiatives, resulting in a 30% increase in student participation and a significant reduction in reported conflicts among 100+ residents

Alpha Sigma Phi Fraternity, Founding Father
- Revived and expanded fraternity membership by 25% through recruitment and community service initiatives