Colin Sanders

837 Lake Carillon Ln, Southlake, TX   817-602-8549 – ck.sanders4@gmail.com
https://www.linkedin.com/in/colin-c-sanders/   https://ccsanders.github.io/

Education	**University of Alabama, BS, Computer Science, August 2018 – May 2021**

Currently studying Computer Science with a minor in Economics at the University of Alabama. On an accelerated track to graduate from undergraduate in 2021 and graduate with a master's in computer science in 2022.

4.0 GPA – 99 Credit Hours

Honors College, Emerging Scholars Research Program

35/36 ACT, 1560/1600 SAT.

National Merit Finalist & Scholar 2018

Relevant Coursework: Data Structures and Algorithms, Software Engineering & Design, Discrete Mathematics, Probability & Statistics, Database Management Systems, Operating Systems, Microcomputers, Digital Logic

Skills

Languages: Java, Angular, C#, C++, C, Python, HTML, JavaScript, SQL, Dotnet Core

Tools: Git, GitHub, GitLab, Version One. Microsoft SQL Server Management Studio, Visual Studio, Unity3D

Technical Skills: Agile Development, Full Stack Web-Applications, Databases, Object-Oriented Analysis & Design, Game Development, RESTful Applications.

Soft Skills: Critical Thinking, Problem Solving, Planning, Written and Verbal Communications, Debugging

Experience

Software Development Intern   June 2019 – December 2019

Lockheed Martin, Fort Worth, TX.

- Worked on an internally developed Lockheed Marin web application that provides situational awareness for all of Aeronautics production and support organizations.
- Worked as an **Agile developer** and successfully delivered capability to end-users on a weekly basis.
- Actively participated in **SAFe ceremonies** (Scrums, Sprint Planning and Review, PI Planning). Contributed to CI/CS, Cloud Integrations, and Software Factory enablers for PI3 and PI4 2020 deliveries.
- Developed functionality across the **whole stack** of the **web-app**, which was built with an **Angular** frontend, **Dotnet Core API**, and **SQL** Server backend.
- Led a developer team of interns on a stretch assignment to create an indoor mapping and navigation application for Lockheed Martin Facilities. Team used similar Agile principles, and I acted as the product owner and Scrum Master.

Software Development Intern   June 2018 – August 2018

Lockheed Martin, Fort Worth, TX.

- Worked on software relating to and supporting the F35 Fighter Jet Program.
- I studied a variety of different enterprise development patterns used by LM.
- My main responsibility was extending the functionality of internal Lockheed Martin software by creating a **Java** backend web service and **JavaScript** / **HTML** frontend.
- The backend connected to ActiveMQ queues and Lockheed Martin data servers to manage and track data messages.
- I was offered a returning position for the Summer 2019.

Projects

Unnamed Hex Grid Strategy Game - https://github.com/CCSanders/hex-game

- In my free-time, I work on a strategy video game that takes inspiration from the Civilization series.
- The goal of the game is to build cities on a randomly generated hexagonal grid terrain, and use those cities to research, build armies, amass culture, and more.
- To achieve these goals, I implemented complex graphing algorithms on a hexagonal grid, and practiced modelling, procedural mesh generation, systems design, and UI / UX.
- The game was built in the Unity3D game engine and the code is written in C#.

Other Game Development and Software Projects located in my portfolio: https://ccsanders.gitthub.io/

Leadership & Activities

University of Alabama Emerging Scholars Research Program 2019 – 2020

- Working with faculty mentors at UA (Jeff Gray) to participate in research as an undergraduate. Currently in the planning process for research proposal, goal is to present research in Spring 2021.

University of Alabama Game Development Club Lead 2019 – 2020

- Enabling the game development scene at UA by working with a large game company (Unity) to obtain resources and help students learn. Led a workshop titled "Intro to Game Development with Unity" with help from Unity employees. Planning on leading intermediate level workshops and a game-jam in 2020.

University of Alabama ACM Chapter Member 2018 – 2020

Taught computer skills (Email, Google, Microsoft Office) once a week to veterans at the Tuscaloosa VA through AC210 Lab (Spring 2019)

Colin Sanders
837 Lake Carillon Ln, Southlake, TX - 817-602-8549 – ck.sanders4@gmail.com
https://www.linkedin.com/in/colin-c-sanders/   https://ccsanders.github.io/