

# James Ellerbee

Huntsville, AL, 35806

706-358-9511

[Jamesellerbee1@gmail.com](mailto:Jamesellerbee1@gmail.com)

## EDUCATION

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**COLUMBUS STATE UNIVERSITY**

Columbus, GA

B.S. Computer Science | GPA: 3.7

2016 – 2020

## PROFESSIONAL EXPERIENCE

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**TSYS School of Computer Science**

Columbus, GA

Research Assistant

Aug 2017 – Nov 2020

- Demonstrated use of laboratory equipment and enforced laboratory rules
- Informed students of the procedures for completing and submitting lab work
- Aided faculty members with laboratory and field research

**SAIC**

Huntsville, AL

Associate Software Engineer

Nov 2020 – Present

- Contributed to Java and Xamarin applications using ZeroMQ and Protocol Buffers
- Utilized ICD to steer development and communicated design ideas using UML
- Worked on team using Agile and performed tasks and software process utilizing the Atlassian software suite

## PROJECTS

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**Math Language Application**

- Developed cross-platform application using object-oriented design for cohesion
- Implemented a “MathPad” feature using JLatexMath Java library that can transform user provided input into math formatting
- Utilized Tomcat webserver to build a full-stack web project

**Virtual Orientation for Columbus State University**

- Built the CSU main and river park campuses in Minecraft education as part of a team
- Programmed interactive activity system using JavaScript
- Wrote scripts to automate build tasks

**S.A.L.T. X**

- Developed 2.5d platformer using the Godot game engine in C# for the “Stop Waiting for Godot” Game Jam, responsible for player and non-player hit point (HP) system
- Utilized test driven development and object-oriented design to ensure quality and maintainability of code base
- Worked on team using agile development

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## SKILLS

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### Languages and frameworks

- Proficient in: Java, Javafx, C# dotnet, Xamarin, Kotlin, Android, SQL, NoSQL, Python
- Familiar with: JavaScript, TypeScript, Node.js, React.js, Jetpack Compose

### Tools and technologies

- Proficient with: IntelliJ IDEA, Android Studio, Android Debug Bridge (ADB), Visual Studio, Jenkins, Atlassian, Git, TCP/IP, Gradle, NuGet
- Familiar with: PyCharm, Django, Flask, PM2, NGINX

## HOBBIES AND INTERESTS

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- Contributing to open-source software
- Participating in hackathons and game jams
- Full-stack web development
- Playing Viola, being a member of a community orchestra
- Writing instrumental music