




# JESSE M. BROWN

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 JessexBrown

 github.com/JessexBrown

## EDUCATION

University of Illinois at Urbana-Champaign  
*Bachelor of Science in Computer Science*

Expected May 2026  
TECH GPA: 3.81/4.00

**Relevant Coursework:** Data Structures and Algorithms, Computer Architecture, Systems Programming, Numerical Methods, Software Design Lab, Prob & Stat for Computer Science

## TECHNICAL SKILLS

**Programming Languages:** C++, C, Python, Kotlin, Javascript

**Other Skills/Tools:** Git, GDB, Unreal Engine, React, HTML, CSS, MIPS

**Spoken Languages:** English

## WORK EXPERIENCE

**1023sms**

Remote

*Software Quality Assurance Tester*

March 2022 – September 2022

- Assessed software application to provide insight into bugs and possible improvements following recent pushes allowing for increased efficiency in the workflow.

## PROJECT HIGHLIGHTS

**Small 3D Game (Unreal Engine)**

Februrary 2024 – March 2024

- Utilized the Unreal Engine design and implementation tools to create a visually appealing, interactive, and semi-challenging level with AI components.

**Guitar Tuner (C++ ):**

March 2024 – Present

- Primarily utilizing the portaudio library to capture input from the user to conduct note detecting calculations.
- Will later be expanded to incorporate a GUI for improved user experience.

**LaLiga Season Rank (Python)**

March 2024 – Present

- Model that uses Markov chains along with linear algebra to achieve a ranking evaluation for all participating teams based on past datasets.
- Uses basic libraries like Numpy and Matplotlib

**Personal Website ( HTML / Javascript / CSS / React )**

March 2023 – Present

- Designed to be a creative yet comprehensive display of relevant information regarding myself as well as the future.

## HONORS AND AWARDS:

Grainger College of Engineering Dean's List

Fall 2023

## INTERESTS:

Soccer (Watching and Playing), Acoustic Guitar, Video Gaming, General Software Development, Cybersecurity, Comedians