

# Sally Xue

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## EDUCATION

### **University of Illinois, Urbana-Champaign**

Bachelor of Science in Computer Science + Music; Expected  
to Minor in Statistics

August 2021 – Present

Current GPA: 4.0/4.0

## RELEVANT COURSEWORKS

Data Structures, Introduction to Computer Science I & II (Java, C++), Prob & Stat for Computer Sci,  
Discrete Structure, Computation and Music II, Statistical Analysis, Statistics and Probability

## WORK EXPERIENCE

### **Snippet**

*Software Engineer*

November 2022 - Present

*Champaign, Urbana, USA*

- Developing an app that store users' college memories through pictures, moments, etc. Also connects to RSO and companies they like to increase their popularity
- Implementing user profile and store data using firebase
- Working with Flutter and Dart code for the front end of the project

## PROJECTS

### **BiliGraph** | C++, *VS Code*

October 2022 – December 2022

- Uses statistics on videos individually and jointly released by famous uploaders on Bilibili (a Chinese video platform) to generate graph
- Analyze the effectiveness of jointly published videos using Kruskal Algorithm; Use Betweenness centrality to look for who is the most/least socially active author

### **Media Player App** | C++, *JUCE*

November 2022 – December 2022

- Create an app that plays MIDI and audio files using a graphical transport that manipulates the playback position, gain and tempo while the file is playing.

### **Portfolio Website** | *JavaScript, HTML, CSS*

January 2023

- Design and build an interactive personal portfolio website using JavaScript, HTML and CSS.

## SKILLS

**Programming Languages:** C++, Java, Dart, Python, JavaScript, HTML, CSS, R, Lisp

**Tools & Frameworks:** JUCE, React, Max/MSP, Flutter, Android Studio, VS Code, Jupyter Notebook

## HONORS & AWARDS

**James Scholar**, University of Illinois, Urbana-Champaign

Spring, 2022

**Dean's List**, University of Illinois, Urbana-Champaign

Fall, 2021 - Present

**Grand Award** (#1 out of 1,047), The 2nd International Artificial  
Intelligence Fair

Summer, 2020