

# KELSEY SHANKS

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## SUMMARY

Organized and detail-oriented computer scientist with a passion for problem-solving and innovation. Interested in working with music-related software, but open to working on other applications as well. Focused on improving and strengthening software through data structure and analysis.

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## EDUCATION

<b>Bachelor of Science</b> , Oregon State University, Corvallis, Oregon	Expected June 2026
Bachelors of Science in Computer Science	
GPA: 3.95 / 4.0	
<b>Master of Music</b> , Oklahoma City University, Oklahoma City, Oklahoma	May 2023
Masters of Music in Flute Performance	
GPA: 4.0 / 4.0, Summa Cum Laude	
Phi Kappa Phi Honors Society	
Pi Kappa Lambda National Music Honor Society	
<b>Bachelor of Arts</b> , Oklahoma Christian University, Edmond, Oklahoma	May 2021
Bachelor of Arts in Music	
Minor in International Studies   Honors Program	
GPA: 3.85 / 4.0, Summa Cum Laude	

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## RELATED PROFESSIONAL SKILLS

English (Native), Japanese (Basic)  
Project Initiation, Planning, Execution, Control, and Closing  
Project Tracking and Reporting  
Critical Thinking; Problem Solving  
Cross-Functional Leadership, Coaching, and Mentoring

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## TECHNICAL SKILLS

Advanced in MS Office (Word, Excel, PowerPoint, Outlook, Access)  
Python module experience: Matplotlib | Tkinter | Pytesseract OCR | OpenCV (cv2) | Pillow (PIL)  
Remote tools: Zoom | Teams | VPN  
Databases: MySQL | MongoDB  
File sharing: Google Drive | OneDrive | DropBox  
Programming Languages: C++ | Python | x86 Assembly | JavaScript | HTML | SQL | CLI  
Web Tools: Node.js | Express API | REST API | DOM | DBMS | React.js | Mongoose | CSS  
Integrated Development Environments: Visual Studio | VS Code | PyCharm | GitHub  
Prototype Tools: Figma | Autodesk Sketchbook

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## WORK EXPERIENCE

<b>Software Developer Intern</b> Toast Ghost LLC, Remote	Sep. 2025 - Present
<ul style="list-style-type: none"><li>Creating a game with scripts and the Unity application, delivering more script-reliant solutions to problems as well as insights on how to organize data and functions.</li></ul>	

- Crafting sprites for a game (from drawing to implementation), researching Optical Music Recognition and how to use it, and determining physics for a 2D phone game.
- Inquiring with artificial intelligence tools to learn more about uses of the Unity platform and its capabilities, leading to a full utilization of Unity and its built-in tools.
- Implementing version control tools within Unity to collaborate and 100% avoid deleting other existing code.

#### **Student Services & Student Success Coordinator**

Jun. 2023 - Nov. 2024

Oklahoma City University, Oklahoma City, Oklahoma

- Provided accurate, academic advice for all first year and second year students in the School of Music.
- Prevented student failure through monitoring grades and the Early Warning system, providing a semester of 0 loss of music scholarships and 0 new probationary statuses.
- Supplied relevant information for prospective students during tours and orientation, leading to a 60% increase in size of incoming music theater students compared to years prior.
- Crafted a structure to assist in revising and distributing student handbooks and program newsletters, leading to 100% of incoming music students turning handbooks in on time.
- Arranged an accurate system for organizing and implementing performance final exams with ease, resulting in 99% of all results being properly recorded.
- Reported vital enrollment data to the Deans of the School of Music from Salesforce reports and corrected enrollment errors, ensuring all first years correctly enrolled into prerequisite courses.
- Engaged in recruitment endeavors and scholarship decision-making for the School of Music.

#### **Private Flute Instructor**

Jun. 2021 - Dec. 2023

Self-employed, Yukon, Oklahoma

- Operated a private studio and instructed 9 middle and high school students on how to play flute.
- Managed all tuition payments, scheduled all lessons, and maintained a collection of scores.
- Improved student musical achievement (e.g. first chair, competition progression).

#### **Librarian, Japanese Tutor, and Music Theory Tutor**

Aug. 2017 - May 2021

Oklahoma Christian University, Edmond, Oklahoma

- Undertook inventory checks of each library collection to ensure 100% consistency with existing records.
- Repaired damaged books and t-taped hundreds of new books methodically to maintain quality inventory.
- Relayed functional information by assisting 10-15 patrons a day and directing all front desk incoming calls.
- Provided helpful practice in Japanese speaking and vocabulary to students as requested.
- Tutored students in Music Theory II coursework for retention of necessary information.

### **LICENCES, CERTIFICATIONS AND TRAINING**

Oregon State University Programming Fundamentals Microcredential

### **ORGANIZATIONS & AFFILIATIONS**

#### **Competitions Chair 2025**

Oklahoma Flute Society

Jun. 2024 - Dec. 2024

- Created and posted 4 advertisements for organization competitions to maintain relevance.
- Outreached to local flutists to encourage student participation and determine repertoire.

#### **Flute Fair 2024 Co-Chair**

Oklahoma Flute Society

May 2023 - Apr. 2024

- Organized and managed lecture and performance proposals thoroughly for the 2024 Flute Fair, bringing in leading voices for musician health, historical performances, and famous performers.
- Reported and conversed during board meetings to approve budgets, event details, and requirements.

### **ADDITIONAL INFORMATION**

GitHub: <https://github.com/Kelsey-Shanks>