

# Tanner O'Connor

## SOFTWARE DEVELOPER

### CONTACT

- 📞 515.418.4834
- ✉ tanneroconnordev@gmail.com
- 📍 Des Moines, Iowa
- 🌐 **Portfolio Website**  
[tanneroconnor.dev](http://tanneroconnor.dev)
- 🌐 **Github**  
[github.com/tanneroconnor](https://github.com/tanneroconnor)

### EDUCATION

#### B.A. Mathematics

University of Northern Iowa  
May 2017 | GPA: 3.78

#### B.A. Jazz Studies

University of Northern Iowa  
May 2017 | GPA: 3.78

### TECHNICAL SKILLS

- Java
- Spring
- SQL
- React.js
- Javascript
- HTML & CSS
- Maven
- Git
- Bash
- Python
- Mantine

### SOFT SKILLS

- Driven to learn and improve
- Analytical problem solver
- Positive attitude
- Communication - verbal and written

### PROFILE

Over a year ago, I made the decision to pursue my passion and pursue a career in software development. I'm a self-starter who has developed multiple projects that apply a practical application of back-end and front-end software development skills. I'm excited to quickly contribute to business results and be a positive addition to a team.

### PROJECTS

#### THE SHRED SHED

*A full-stack web application for practicing guitar and music theory*

- Designed and developed a guitar fretboard visualizer and music theory calculator, providing powerful tools for aspiring guitarists to visualize and understand music theory concepts
- Utilized Java, object oriented programming to design and implement the music theory models and algorithms to generate the data for the front-end
- Used Spring and a RESTful API to cache and transfer music data from the back-end to the front-end
- Used React.js and Mantine to create a clean and intuitive user interface
- Implemented Maven to manage and automate the build process

#### GOOGLE PHOTOS CLONE

*A full-stack CRUD web application inspired by Google Photos*

- Developed a full-stack application that allows users to upload, download, and delete photos through a web-based interface
- Implemented RESTful APIs using Spring to ensure efficient communication between the client-side and server-side
- Designed and implemented a photos controller, service, repository, and model using Java and Spring, enabling the application to manage photos and interact with the database
- Implemented error handling to provide users with informative error messages and ensure seamless user experience

### EXPERIENCE

#### PROFESSIONAL MUSICIAN & GUITAR INSTRUCTOR

*SELF-EMPLOYED | KANSAS CITY, MO & DES MOINES, IA | 2016 - PRESENT*

- Created over 100 teaching documents that simplify, complex musical concepts
- Taught hundreds of students of all ages in a one-on-one setting providing detailed instruction, constructive criticism, and a positive environment to improve and grow as musicians and as people
- Self-produced and recorded my solo guitar EP, *Neighbor Tones* (2021)