HANZHI YIN

(+1) (217)721-1924 ⋄ (+86) 186-1140-3644

310 E Springfield Ave. # 1507A. Champaign, IL. 61820

yinhanzhi@gmail.com ⋄ hanzhiy2@illinois.edu ⋄ https://yinhanzhi.me

EDUCATION

University of Illinois, Urbana-Champaign *August 2019 - Present*
Undergraduate. Bachelor of Science in Computer Science + Music *Expected graduation date: May 2021*
School of Music. Department of Computer Science. *Current GPA: 3.93/4.0*

Xi'an Jiaotong-Liverpool University *August 2016 - June 2018*
Undergraduate. Applied Chemistry *Transferred. Degree not acquired.*
Department of Chemistry *Overall GPA: 3.91/4.0.*

RELEVANT COURSEWORK

Symbolic Music Representation and Analysis, Real-time Music System, Audio Computing Lab, Electronic Music Techniques and Practice; Data Structure, System Programming, Intro to Algorithms and Models of Computation, Software Engineering, Applied Machine Learning; Composition, Elective Piano Techniques, Critical Audio Listening.

SELECTED PROJECTS

All the completed coding works and compositions can be found in my personal website: yinhanzhi.me/project.
For all the ongoing coding work, you are also welcome to visit my GitHub.

TET React
Online MIDI, frequency and musical pitch converter under the 12-TET Toning System. Conversion library transcoded from Python to JavaScript to reduce abstraction.

BeatMaker
With Tone.js with Web Audio API incorporated, this application allows user to play sound by clicking on different tiles. Customization is allowed, for each tile can be double clicked to change the pitch.

SoundMaker
Ongoing project. Electronic music generator written in Python.

EXPERIENCES

Illiac Software, Front-end assistant developer *Fall 2020 - Present*
Front-end web development using React and Next.JS under an enterprise-level web infrastructure.

CS 374, Intro to Algorithms and Models of Computation, Course Assistant *Fall 2020*
Grading students homework, checking algorithm pseudocode formatting and errors in mathematic and algorithmic proof, and giving tips online for fundamental concepts in computation models.

MUS 105, Symbolic Music Representation and Analysis, Course Mentor *Fall 2020*
Assisting instruction on Python programming language, computing model construction for music score elements, and classical music theory.

Jasmine Field Orchestra. Part Leader of Composing *Fall 2019 - Present*
Being a part leader of composing in the student organization. Managing score distribution and organizing rehearsal. Having two major rearranged work designed for 12-14 performers and performing them on major campus event.

CS 125, Intro to Computer Science, Course Assistant *Spring 2019*
Helping new Computer Science students with their homework and machine problems. Helping them to build up fundamental computer science concepts, including Object-Oriented Programming, Recursion, and First-Class Functions.

ACADEMIC ACHIEVEMENTS

James Scholar. University of Illinois, Urbana-Champaign *Spring 2019 - Present*

Dean's List. University of Illinois, Urbana-Champaign *Spring 2019 - Present*

Scholarship. Xi'an Jiaotong-Liverpool University: University Academic Excellence Awards. *Summer 2017*

SKILLS

Programming language: JavaScript/JSX, HTML, CSS, C/C++, Python
Framework: React, Redux, NextJS, JUCE, SciPy, SKLearn
Software: Dorico Pro, Logic Pro X.
Music: Music composition. Experienced in studio techniques. Amateur in classical piano performance.