

HANZHI YIN

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EDUCATION

University of Illinois, Urbana-Champaign

Undergraduate. Bachelor of Science in Computer Science + Music
School of Music. Department of Computer Science.

August 2019 - Present
Expected graduation date: May 2021
Current GPA: 3.91/4.0

Xi'an Jiaotong-Liverpool University

Undergraduate. Applied Chemistry
Department of Chemistry

August 2016 - June 2018
Transferred. Degree not acquired.
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

Front-end web development using React and Next.JS under a enterprise-level web infrastructure.

Fall 2020 - Present

CS 374, Intro to Algorithms and Models of Computation, Course Assistant

Grading students homework, checking algorithm pseudocode formatting and errors in mathematic and algorithmic proof, and giving tips online for fundamental concepts in computation models.

Fall 2020 - Present

MUS 105, Symbolic Music Representation and Analysis, Course Mentor

Assisting instruction on Python programming language, computing model construction for music score elements, and classical music theory.

Fall 2020

Jasmine Field Orchestra. Part Leader of Composing

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.

Fall 2019 - Present

CS 125, Intro to Computer Science, Course Assistant

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.

Spring 2019

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, NextJS, JUCE, SciPy, SKLearn

Software: Dorico Pro, Logic Pro X.

Music: Music composition. Experienced in studio techniques. Amateur in classical piano performance.