

Garon Fok

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Work Experience

Illiac Software

Software Development Engineer

Champaign, IL

April 2022 - Present

- Develop and test Redux frameworks to make more efficient API calls to back-end saving time and bandwidth
- Implement feature requests to allow users to have greater freedom in interacting with account data

Quality Assurance Engineer

Oct 2019 - May 2021

- Maintained record of issues and bugs for music theory worksheet software Harmonia using Jira
- Identified and reported issues with UX/UI on MacOS, Windows 10, Android, iOS, and iPadOS

Hopkins Jr. High School

Director of Band and Orchestra

Fremont, CA

Aug 2021 - Jun 2022

- Developed student ability in musicality and technique through ensemble rehearsal to 6 award-winning concert bands and string orchestras
- Coordinated lessons and curriculum design with coaches and instructors to provide over 300 elementary students with comprehensive music education for the Mission San Jose Area
- Oversaw program's annual financial budget used for expensing costs including hiring personnel, purchasing equipment/instruments/supplies, and repairs

Projects

Discord Bot to Track Minecraft Coordinates

<https://github.com/garonfok/pandabot>

Built with: TypeScript, MongoDB, DiscordJS, WOKCommands

- Stores coordinates, world information, and user roles in MongoDB
- Uses WOKCommands command handler API and Discord's integrated slash commands
- Allows users to add, delete, update, and view Minecraft coordinates and worlds
- Differentiates worlds and coordinates using Discord roles

Personal Website

<https://garonfok.com>

Built with: Node.js, React, TailwindCSS, TypeScript, Netlify

- Static website that contains information about skills, projects, and music compositions
- Adopted best practices for accessibility and UI design in consideration of website layout

Reddit User Media Scraper

<https://github.com/garonfok/redditor-downloader>

Built with: Python, Requests, PRAW, argparse

- CLI tool that uses Reddit's REST API to fetch and download media posts of a given Reddit user
- Utilizes command-line arguments to specify number of users to download, type of post, and sleeping/looping
- Uses object oriented programming designs to structure code organization

Education

University of Illinois at Urbana-Champaign

B.M.E. in Music Education

Champaign, IL

May 2021

With Highest Honors, 3.94 GPA

Technical Skills

Programming Languages

Python, JavaScript/TypeScript, SQL, \LaTeX

Frameworks/Libraries

React, Node.js, TailwindCSS, MongoDB, Redux, Pandas

Tools/Platforms

MacOS, Windows, Linux, Raspberry Pi OS, Docker, AWS, Git