Garon Fok

fokgaron@gmail.com | https://garonfok.com | https://github.com/garonfok | https://www.linkedin.com/in/garonfok

Work Experience

Illiac Software
Champaign, IL

Software Engineer
April 2022 - Present

- Develop dynamic and responsive notification system using React that updates and fetches data from the backend
- Create database migration and API routes for online discussion feature using Laravel
- Improve Redux frameworks by refactoring API calls to database, reducing load time by 50%
- Manage user authentication info and login data using MySQL
- Write unit tests using Cypress to ensure app stability and functionality
- Lead redesign of user dashboard layout, improving user navigability and accessibility

Hopkins Jr. High School
Fremont, CA

Band and Orchestra Director
Aug 2021 - Jun 2022

- Developed the ability of over 300 students in musicality and technique through ensemble rehearsal
- Automated the creation of daily lesson plans using Python, reducing time required for planning by 90%
- Used python-pptx Python library to scrape JSON file with class information to generate PowerPoint presentations

Illiac Software
Champaign, IL

Quality Assurance Engineer
Oct 2019 - May 2021

- Tested features by running edge cases in a procedural fashion, allowing identification and reporting of issues
- Documented issues and errors on Jira, ensuring issues could be reproduced and fixed
- Collaborated with platform engineering team to benchmark app performance based on CPU architecture

Projects

Pandabot
https://github.com/garonfok/pandabot

TypeScript, Node.js, MongoDB, DiscordJS, WOKCommands

- Created CRUD app to track Minecraft worlds and coordinates using MongoDB's mongoose API, managed by Discord's user role system
- Designed features that let users distinguish different waypoints and worlds on the same server

Redditor-Downloader
https://github.com/garonfok/redditor-downloader

Python, Requests, PRAW, argparse

- Wrote CLI tool that uses Reddit's REST API to fetch and download media posts of any given Reddit user
- Added full modularity in argument parsing using the UNIX access-control list paradigm, shortening load time

Personal Website
https://garonfok.com

TypeScript, Node.js, React, TailwindCSS, Netlify

- Created static portfolio website using React and TailwindCSS
- Designed user interfaces using modern accessibility standards, allowing for an intuitive user experience

Technical Skills

Programming Languages	HTML/CSS, JavaScript, TypeScript, Python, SQL, Bash
Frameworks/Libraries	React, Node.js, MongoDB, Redux, Axios
Tools/Platforms	Docker, AWS, MySQL, Git, Jira

Education

University of Illinois at Urbana-Champaign
Champaign, IL

B.M.E. in Music Education
May 2021

With Highest Honors, 3.94 GPA