Garon Fok

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Work Experience

Illiac Software | Software Engineer
Champaign, IL

TypeScript, React, Sass, Redux, MySQL, AWS, Docker, Jira
April 2022 - Present

- Develop Redux frameworks by eliminating unnecessary API calls to SQL database, reducing load time by 50%
- Implement feature requests to improve user experience and navigation accessibility
- Improve user experience by adding accessibility features to make page navigation more intuitive

Illiac Software | Quality Assurance Engineer
Champaign, IL

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
- Benchmarked performance load when testing on different operating systems

Relevant Projects

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

TypeScript, Node.js, MongoDB, DiscordJS, WOKCommands

- Created CRUD app to manage Minecraft worlds and coordinates using moongoose API, interfaced by Discord's user role system
- Implemented async/await callback functions to store and retrieve information from MongoDB databases
- Improved database interaction by implementing relational data system

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
- Implemented deduplication of downloaded content using hashset data structure, saving download time by 90%

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
- Integrated CI/CD by utilizing Netlify hosting off a GitHub repository, ensuring rapid bugfixing and updates

Technical Skills

Programming Languages	Python, JavaScript, TypeScript, SQL, LaTeX
Frameworks/Libraries	React, Node.js, TailwindCSS, MongoDB, Redux, Pandas
Tools/Platforms	Docker, AWS, Git

Education

University of Illinois at Urbana-Champaign
Champaign, IL

B.M.E. in Music Education
May 2021

With Highest Honors, 3.94 GPA