Matthew Linder

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Education

University of South Carolina, College of Engineering and Computing
Bachelor of Science in Computer Science, Psychology Minor Aug 2022 - *Expected May 2025*
Capstone Scholar, Engineering Living and Learning Community Member
Major GPA: 3.96/4.00 | **President's List**: Spring 2022, Fall 2023

Technical Skills

Frontend: HTML, CSS, JavaScript, TypeScript, React.js, React Native, SwiftUI
Backend: Node.js, Python, Java, Go, C++, Swift
Other: SQLite, PostgreSQL, MySQL, MongoDB, Git, Unix/Linux, Agile, Docker

Experience

Swampfox Technologies - *Software Engineer Intern* *May 2024 - Present*

- Created a command line tool to convert Avaya Orchestration Designer projects into an internal format which primarily consisted of translating Java to JEXL and SCXML to JSON
- Built a full stack web application using Java Spring Boot, React.js, and PostgreSQL to process SIP messages and present them as sequence diagrams to frontend users
- Merged several features to existing React.js and Java Spring Boot applications in production environments

University of South Carolina - *Undergraduate Asst for the Department of SAAS* *Mar 2024 - May 2024*

- Designed and implemented numerous personal websites for students
- Developed embedded web applications for the Monday.com platform in collaboration with student entrepreneurs mainly using React.js, Golang, and SQLite accruing over 200 active monthly users

Village of Fredonia - *Freelance Web Developer* *Nov 2022 - Mar 2023*

- Developed a web application for the Village of Fredonia to simplify the community's public pavilion reservation process using Next.js and PostgreSQL
- Collaborated with a third party vendor to integrate the Village's pre-existing payment software with the new application

Projects

Lift Logs | *Repository*

- Description - iOS app aimed at helping those new to lifting weights design a plan and track their progress
- Key Features
    - Stores all user data locally in an SQLite file allowing for an offline experience
    - Queries an HTTP endpoint which serves a list of over 200 exercises in JSON format, enabling amendments to the list without requiring users to update the app

Word Catching Journal | *Live App* | *Web Repository* | *iOS Repository*

- Description - Social media platform designed to help users expand their vocabularies together
- Key Features
    - Uses an Express server and SQLite through Turso to manage and store data
    - Serves React client over REST API hosted on Vercel