

Matthew Linder

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Education

University of South Carolina, College of Engineering and Computing

Bachelor of Science in Computer Science, Psychology Minor

Expected May 2025

Capstone Scholar, Engineering Living and Learning Community Member

Major GPA: 3.96/4.00 | President's List: Spring 2023, Fall 2024

Technical Skills

Frontend: HTML, CSS, JavaScript, TypeScript, React.js, React Native, SwiftUI

Backend: Node.js, Next.js, Python, Java, Swift

Other: SQLite, PostgreSQL, MongoDB, Git, Unix/Linux

Experience

Village of Fredonia, *Freelance Web Development*

Nov 2022 - Mar 2023

- Designed and developed a web application for the Village of Fredonia to simplify the community's public pavilion reservation process using Next.js
- Proposed application to the Village Mayor, Board of Trustees, and other elected officials at a Village Board Meeting
- Collaborated with a third party API to integrate the Village's pre-existing payment software with the new application

Valet Ventures, *Freelance Web Development* | <https://valetventures.co>

Nov 2022 - Dec 2022

- Designed and developed a website for a small business based in Columbia, SC
- Managed deployment of the site and domain assignment

Fredonia Recreation Department, *Head Playground Attendant (Seasonal)*

Jul 2021 - Aug 2023

- Coordinated counselors to care for up to 200 children aged five to fourteen
- Evaluated and communicated the state and needs of the program to supervisors at weekly meetings

Projects

Task Share | <https://github.com/mlinder10/TaskShare>

- Created a cross-platform Scrum task manager desktop application with four teammates using JavaFX
- Architected project structure using UML diagrams to promote clarity and team-wide understanding
- Applied multiple standard design patterns including MVC, singleton, and facade to achieve modularity and scalability

Word Catching Journal | <https://word-catching-journal.vercel.app> | <https://github.com/mlinder10/WordCatchingJournal>

- Built a small social media platform to log and share unfamiliar words with Next.js and SQLite
- Constructed a REST API backend in typescript using Next.js serverless functions
- Implemented web and iOS interfaces using Next.js and SwiftUI