# Evan Emsley

evan@emsley.us

(317)344-9896

## Education

**Purdue University** West Lafayette, IN   (GPA: 3.92/4.0)                              *class of 2025*

- Pursuing Bachelor of Science in Computer Science (junior)

## Experience

**Full Stack Developer: Sprift Shopping** (spriftapp.com)                              *2023*

- Secondhand clothing mobile app that allows users to swipe through clothing listings similar to the swipe system of Tinder. Users can both upload clothing to sell as well as swipe through listings and purchase clothes.
- The system is built with React Native, Next.js, and Prisma. Integrated user authentication with a service called Clerk and payment processing with a service called Stripe. I worked on the Frontend as well as writing API routes with Next.js to query our database.
- Part of the founding team of Sprift Commerce, spent the summer of 2023 developing the application which is now in beta testing.

**Relevant Coursework in React, Javascript, Java, C, C++**                              *2021-23*

- Extensive experience in Java Object Oriented Programming including server/client packages, extensive experience with React Native / Javascript programming for both mobile and web development. (OOP, Data Structures, and Software Engineering courses)
- Extensive experience in C, C++, and command line tools with a large focus on data structures, dynamic memory allocation, and shell scripting. (C Programming and Systems Programming courses)

## Projects

**C Memory Allocater**                              *2023*

- Developed a version of malloc from scratch, calling sbreak() and keeping track of heap memory in a freelist with fenceposts marking the boundaries and headers on each block of available or allocated memory

**Shell Program (C++, Yacc/Lex Parsing)**                              *2023*

- Developed a shell program which parses and executes commands with many capabilities of the UNIX shell such as wildcards, piping, preserved command history, and input/output file redirection.

**Website for Arboretum the Band** (arboretumtheband.com)                              *2023*

- Designed and maintain the website for Arboretum, an indie-rock band out of Nashville, TN.
- Built with React Native and deployed with Vercel, additionally used EmailJS to allow visitors to contact the band. The site features new music, show information, merchandise, as well as a gallery of the band's photos.

## Skills

- React, React Native, Javascript, React Query, HTML, CSS and TailWind
- Next.js, Java, C, C++, Prisma, SQL/MySQL/PostgreSQL, RESTful API conventions
- Very familiar with Git, Github, and command line tools for managing monorepos such as Node Package Manager.
- Familiar with Agile/Scrum project management styles

## Activities

**Lead Guitarist for Arboretum the Band**                              *2020-present*
**Campus House Ministries Worship Team**                              *2023-present*
**Phi Delta Theta Fraternity**                              *2021-present*