

# Sion Wilks

Minneapolis, MN 55401 | (612)-517-7773 | sionwilks@gmail.com

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## Professional Experience

Target, Minneapolis, MN

September 2022-Present

### Software Engineer

- Collaborated closely with the product manager to align software solutions with business objectives driving both front-end and back-end design for features enabling internal users to schedule holiday season shipments in advance; responsible for front-end implementation.
- Developed and implemented a vendor profile customization feature, creating backend endpoints, UI functionality, and comprehensive test cases, offering vendors granular control over shipment specifications.
- Played a pivotal role in UI/UX design, introducing features such as 'select all' for shipment selection and an interactive tutorial for enhanced user onboarding, especially in the absence of a dedicated design team.

### Data Engineer (rotational program 6 months)

- Enabled ingestion of data from SharePoint files into the common data pipeline library.
- Worked with data engineering technologies including Scala, Apache Spark, and Hadoop.

## Academic and Personal Projects

### Milk Farm – Analytics

Lead a team of 4 in the design and implementation of a full stack java application with JavaFX front-end using agile development principles. The application was used to conduct and display analytics on large quantities of milk production data from farms across the US. The data was manipulated using Java streams.

### Personal Website

Implemented and deployed a static website using Next.js and Vercel. Connected to a Prismic database for managing and retrieving content using GraphQL. Created a customized API for retrieving data from Prismic and used SASS to implement advanced visual effects. ([www.sionwilks.com](http://www.sionwilks.com))

### WPM Typing Test

Using the MERN stack I implemented the groundwork for a WPM typing test site and deployed using Heroku. Created a REST API with Node.js and Express. Connected the React front end to the node backend using Axios.

## Skills

**Frameworks:** React (proficient), Type Script (proficient), Cypress, Spring (intermediate), Express, Node, Next.js

**Languages:** Python (proficient), Kotlin/Java/Scala (proficient), JavaScript/HTML/CSS (proficient), SQL

**Databases:** Mongo DB, PostgreSQL

**API's/Tools:** REST, GraphQL, Postman, Insomnia, IntelliJ, VS studio, Git, GitHub, DBEaver

**Deployment:** Heroku, Vercel, Docker containers, Jenkins (CI/CD pipelines)

## Education

University of Wisconsin-Madison

B.S. Computer Science, August 2022

- GPA 3.5
- Minor in philosophy (equivalent knowledge)
- Dean's Honors List