

## Isaac Mattern

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### EDUCATION

**The Ohio State University**, Columbus, Ohio

Bachelor of Science, Computer Science & Engineering: December 2022

GPA: 3.79

**Relevant Coursework:** Data Structures and Algorithms • Intro to DBMS • Artificial Intelligence  
Software Engineering • Computer Networking • Operating Systems • Information Security

### SKILLS

**Languages:** JavaScript, TypeScript, HTML5, CSS3, Python, Java

**Libraries:** React, React Router, React Query, Tailwind CSS

**Technologies:** Git, Jira, SASS, Jest, Storybook, Firebase

**Experience with:** Unit Testing, ADA Requirements and Testing, Agile Methodology

### WORK EXPERIENCE

**JPMorgan Chase & Co.**, Columbus, Ohio: June 2022 - August 2022

Software Engineer Program Summer Intern

- Prototyped a React web application which will reach millions of customers on Chase.com
- Participated in daily standup, story mapping, sprint planning, retros, and other agile ceremonies
- Maintained robust test suites with 98% coverage, prevented type errors with TypeScript interfaces
- Built mock content API calls, performed ADA testing, and implemented user analytic events

**The Ohio State University**, Columbus, Ohio: January 2020 - April 2020

Course Grader, Software I: Software Components

- Aided student comprehension of data structures and components in labs and office hours
- Analyzed code and provided feedback for 200+ individual project submissions

### PROJECTS

[remiwolf.com](https://remiwolf.com) - Tailwind, Liquid, Shopify API - *Contracted Freelance Project*

Codeveloped a Shopify theme for the website and merchandise store of artist Remi Wolf.

Contracted by a major music label and collaborated with a design team.

[whatareyou.cooking](https://whatareyou.cooking) - React, Firebase, TypeScript, Tailwind - *Personal Side Project*

Created a recipe sharing React application with mobile-first design, dynamic routing, and Sign In with Google. Implemented a recipe search function to dynamically query a Firebase cloud database. Utilized TypeScript to define interfaces and increase type safety.

[Prescriber Data Report](#) - Next JS, Tailwind, Chart JS, Git - *Hackathon Submission*

Designed and developed an interactive data visualization report with a linear regression model to predict top prescribers. Coordinated with three other teammates in [our university hackathon](#).

[Digit Recognition](#) - Python (numpy, pandas, Google Colab) - *Class Group Project*

Cooperated with classmates to implement Naïve Bayes, Perceptron, and Neural Network algorithms used to recognize handwritten digits with 91% accuracy.

### LEADERSHIP & ACTIVITIES

**The Ohio State University**, Columbus, Ohio: August 2020 - May 2022

Resident Advisor

- Served as a role model to first-year college students
- Led a team of newcomer Resident Advisors to enforce university policies
- Fostered an environment of wellness and community through engaging programs

### Artificial Intelligence Club

Met with other Ohio State students to explore different AI topics through lectures and live demos.