

# Jason Cavanaugh

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## Work Experience

### JPMorganChase

February 2023 - present

SOFTWARE ENGINEER II - FULLSTACK

New York, NY

- Built and productionalized Chaselane, a fullstack web application for coordinating the release lifecycle of the firm's mobile apps, including the Chase Mobile Banking App. Integrated the workflows of various teams within the firm, spanning risk, QA testing, and security scans.
- Collaborated with one other engineer to bring auditing capabilities to Chaselane, allowing for a more unified interface for creating and viewing audit reports for each release of the firm's mobile apps.
- Maintained Chase Internal Appstore, a web application for uploading and downloading mobile builds. Used by hundreds of internal mobile testers weekly.
- Served as sole engineer on the design, development, and handoff of the Digital Device Management Portal, a fullstack site for managing the loaning and returning of 2,000+ test devices within the firm.
- Introduced **Vite** and **TanstackQuery** as novel components to our team's technology stack, allowing for a greatly improved developer experience and a more maintainable frontend codebase.
- Managed 6 winter externs over a 3-week period. Assisted them through pair programming and gave guidance on their project.

### Appian Corporation

June 2022 - August 2022

SOFTWARE ENGINEER INTERN - INFRASTRUCTURE

Tysons, VA

- Used **Docker**, **Kubernetes**, and **GitLab CI/CD** to overhaul the software infrastructure used by the writers of <https://docs.appian.com>, resulting in greater prototyping speed in their development workflow.

### Orbit Logic

June 2021 - June 2022

SOFTWARE DEVELOPER INTERN - FULLSTACK

Greenbelt, MD (remote)

- Developed a web application in **React** and **C#** for scheduling space missions.
- Redesigned the application landing page by writing front-end components to display recently-opened, favorite, and all schedules.

### University of Maryland, College Park

January 2022 - December 2022

COMPUTER SCIENCE TEACHING ASSISTANT

College Park, MD

- Served as a TA for **Intro to Programming Via the Web**, a course that teaches the basics of **HTML**, **CSS**, and **JavaScript** to new programmers, and **Object-oriented Programming I**, the first computer science course for prospective majors.
- Supported students by leading weekly discussions, holding office hours, and preparing exam review guides.

## Personal Projects

### Event Scheduling Portal

REACT.JS, TYPESCRIPT, EXPRESS.JS, VITE

🐙 GitHub

- Built a fullstack web application for **Grassroots Groceries**, an NYC-based non-profit. This app has been used to schedule 100+ produce-packing events over the course of 2.5 years.

### Habit Tracking Application

NEXT.JS, TRPC, PRISMA, NEXTAUTH

🐙 GitHub

- Built a web application for tracking habits in the style of the GitHub contributions graph. Try it out at <https://streakgraph.com>.

## Skills

### Languages

JavaScript/TypeScript, HTML, CSS, Java, Kotlin, C#, Bash

### Frameworks/Libraries

React.js, Next.js, Tailwind, TanStack Query, tRPC, Redux, MaterialUI, Vite, Docker, Kubernetes, Spring Boot

## Education

### University of Maryland, College Park

2019 - 2022

B.S. IN COMPUTER SCIENCE

GPA: 3.87/4.0

- Coursework: Object-oriented Programming I & II, Computer Systems, Discrete Mathematics, Programming Languages, Data Structures, Data Science, Algorithms I & II, Databases, Human-computer Interaction, Linear Algebra, Multivariable Calculus