

# Jason Cavanaugh

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## Work Experience

### JPMorgan Chase

February 2023 - present

SOFTWARE ENGINEER II - FULLSTACK

New York, NY

- Design and implement a new greenfield web application for streamlining the release process of Chase mobile apps
- Maintain a web application for uploading mobile builds and distributing them to testers
- Developed a new internal application for managing the distribution of mobile test devices within Chase
- Code fullstack features using **React**, **TypeScript**, **Java**, and **Kotlin**
- Work with **Docker** and **Kubernetes** infrastructure deployed on **AWS**
- Designed and implemented a user metrics tracking dashboard to gain insight into usage of our applications
- Managed 6 winter interns for a 3-week period. Oversaw their project and assisted them through pair programming

### Appian Corporation

June 2022 - August 2022

SOFTWARE ENGINEER INTERN - INFRASTRUCTURE

Tysons, VA

- Used **Docker**, **Kubernetes**, and **GitLab CI/CD** to redesign the software infrastructure used by the Appian documentation writers in their workflow
- Presented new infrastructure to engineers and addressed questions about functionality, limitations, and future goals

### Orbit Logic

June 2021 - June 2022

SOFTWARE DEVELOPER INTERN - FULLSTACK

Greenbelt, MD (remote)

- Developed scheduling software for space systems with **React**, **Redux**, and **C#**
- Redesigned 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

## Technical Projects

### Event Scheduling Portal

REACT.JS, TYPESCRIPT, EXPRESS.JS, VITE

🐙 GitHub

- Built a single-page application to assist in the administrative needs of Grassroots Groceries, an NYC-based non-profit

### Expense Tracking Application

NEXT.JS, TRPC, PRISMA, NEXTAUTH

🐙 GitHub

- Built a web application for tracking expenses. Try it out at <https://basily.app>

### Habit Tracking Application

NEXT.JS, TRPC, PRISMA, NEXTAUTH

🐙 GitHub

- Built a web application for tracking habits. 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

## 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