

Jason Cavanaugh

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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

Work Experience

Appian Corporation

June 2022 - August 2022

SOFTWARE ENGINEER INTERN

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
- Collaborated with 5 other interns to display group inheritance trees inside Appian using Appian's functional UI language, SAIL

Orbit Logic

June 2021 - June 2022

SOFTWARE DEVELOPER INTERN

Greenbelt, MD (remote)

- Developed scheduling software for space systems with **React**, **Redux**, **C#**, and **PostgreSQL**
- Redesigned application landing page by writing front-end components to display recently opened, favorite, and all schedules
- Led team meetings on design and implementation of front-end and back-end features

University of Maryland, College Park

January 2022 - Present

COMPUTER SCIENCE TEACHING ASSISTANT

College Park, MD

- Serve 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

Evans & Chambers Technology

April 2021 - August 2021

WEB DEVELOPER INTERN

Washington, D.C. (remote)

- Developed a security clearance management application using **Groovy**, **Grails**, and **JavaScript**
- Experienced **Agile** software development lifecycle through daily scrum, backlog grooming, and sprint retrospectives

Technical Projects

Event Scheduling Portal

September 2022 - Present

UMD HACK4IMPACT (TECH LEAD)

🐙 GitHub

- Using **React**, **TypeScript**, and **Airtable** to build an event-scheduling web application to assist in the administrative needs of Grassroots Groceries, an NYC-based non-profit

Mentor Mentee Matching Portal

February 2022 - June 2022

UMD HACK4IMPACT (ENGINEER)

🐙 GitHub

- Built a web application to match under-served youth to mentors for a local non-profit using **React**, **TypeScript**, and **Firebase**

Skills

Languages

Java, JavaScript/TypeScript, Python, HTML, CSS, C#, C++, C, SQL, Groovy, Ruby, OCaml, \LaTeX , Mandarin Chinese

Technologies

React.js, Git, .NET, Docker, Kubernetes, Linux, Grails, Figma, Firebase, Vim/Neovim

Activities

Hack4Impact, UMD Chapter

February 2022 - Present

TECH LEAD, ENGINEER

- Organized a team of 6 engineers on a semester-long project
- Met with product managers and the client to discuss product requirements and shaped the technical direction of the project
- Translated technical requirements into manageable engineering tasks and reviewed code submitted by engineers

LakelandSTARS

September 2019 - Present

TUTOR

- Tutor children from a local elementary school in math and reading once per week