

# Jason Cavanaugh

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## Education

### University of Maryland, College Park

2019 - 2022

B.S. IN COMPUTER SCIENCE

GPA: 3.87/4.0

- 2019 - 2022 Dean's List
- 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
- Improved page load times by 50% by implementing a paginated API
- Led team meetings on design and implementation of front-end and back-end features
- Wrote front-end tests with **Jest** and API tests with **Postman**

### University of Maryland, College Park

January 2022 - May 2022

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
- Supported students by holding weekly office hours, holding exam review sessions, and assisting during weekly, in-class discussions

### 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**
- Pulled security clearance information from a relational database using **SQL**
- Experienced **Agile** software development lifecycle through daily scrum, backlog grooming, and sprint retrospectives

## Technical Projects

### Typing Application

🐙 GitHub

JAVA

- Created application for users to test their typing speed in WPM
- Developed the UI using **Java Swing** and **Abstract Window Toolkit**

## Skills

**Languages** Java, JavaScript/TypeScript, Python, HTML, CSS, C#, C++, C, Groovy, Ruby, OCaml,  $\text{\LaTeX}$   
**Technologies** React.js, Git, .NET, Grails, Docker, Kubernetes, Figma, Linux, SQL, Firebase, Vim/Neovim

## Activities

### Hack4Impact, UMD Chapter

2022 - Present

ENGINEER

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

### LakelandSTARS

2019 - Present

TUTOR

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