

## Education

### George Mason University

Sep 2021 – May 2025

*Bachelor of Science in Computer Science*

## Skills

**Proficient:** Python, Java, React.js, Next.js, React Native, Native Wind, JavaScript, TypeScript, Tailwind CSS, HTML/CSS, JSON, Git, Visual Studio Code, Jira, Zoom, Microsoft Teams

**Experienced:** C/C++/C#, Dart, Bootstrap, Docker, GitHub Actions, Linux, Flutter, Firebase, Microsoft Azure, Microsoft SharePoint, .Net

## Work Experience

### Systems Planning Analysis (Interim TS) - Alexandria, VA

Jan 2024 – May 2024

*Software Engineering Intern*

- Developed a Microsoft SharePoint website aimed at optimizing data analysis processes by effectively organizing classified data
- Utilized libraries such as ChartJS to create visualizations and implement data filtration functionalities using JSON data retrieved from the Microsoft SharePoint API
- Contributed to 80% of research efforts with engineers, identifying and integrating advanced tools to enhance project efficiency
- Collaborated with senior engineers to design and implement an API library, subsequently adopted across all team websites for streamlined operations

### BlackHorse Solutions - A Parsons Company - Herndon, VA

May 2022 – Aug 2022

*Software Engineering Intern*

- Created a web application that creates form elements to be used in creating workflow forms
- Used open-source Java project called Flowable, creating JSON files with specific form requirements that would be sent to ReactJS via REST API
- Used ReactJS to dynamically change the form elements on the web application using JSON data
- Supported research efforts with 70% contributions to technical exploration and adoption of tools.
- Worked on a team of five using Agile and Scrum methodologies to ensure team productivity and collaboration

## Projects

### SimpliSplit (iOS App) - <https://www.simplisplit.com/>

May 2023 – Present

React Native, Native Wind, JavaScript, TypeScript, Python, Expo, Microsoft Azure Document Intelligence, JSON, REST API

- Achieved over 1500 impressions to date since publication
- Developed a mobile application facilitating seamless OCR scanning of receipts, enabling users to itemize, split costs, and send Venmo payment requests via SMS
- Used React Native and Native Wind as a front-end for an intuitive and visually appealing UI/UX
- Created a custom API endpoint, utilizing Python and Microsoft Azure Document Intelligence model that performs an OCR scan to itemize and return JSON data

### InactiSafe (iOS App)

Aug 2024 – Present

React Native, Native Wind, JavaScript, TypeScript, Expo, Firebase Authentication, Microsoft Azure Database

- Led a team of six in a senior project to design and develop a mobile application focused on user motion detection and emergency alert functionality
- Implemented phone motion tracking using the accelerometer to monitor user activity and trigger alerts to emergency contacts after prolonged inactivity
- Oversaw task delegation, code reviews, and ensured on-time project delivery