

## EDUCATION

### University of Georgia

Bachelor's, Computer Science

- Relevant Coursework: Data Structures & Algorithms, Database Management, Mobile Development

May 2025

## PROFESSIONAL EXPERIENCE

### NASA Small Satellite Research Laboratory

Lead Application Developer

Athens, GA, USA

Aug 2024 - Present

- Conducted web launch of LEARNSat mission, empowering local high school students to engage with STEM and compete, resulting in an annual \$6000 profit for the lab.
- Optimized lab's existing web infrastructure, improving responsiveness, accessibility, and engagement for faculty, students, and researchers.
- Led weekly meetings and presentations with 2 junior web developers, in order to communicate leadership expectations and effectively strategize approach.

### UGA School of Computing

Web Development Intern

Athens, GA, USA

Apr 2024 - Aug 2024

- Partnered with Dr. William Hollingsworth to enhance Grafstate, a mathematical visualization tool used by 1000+ Computer Science students at UGA.
- Integrated keybindings and GUI to increase text-editing efficiency and accessibility for new and visually impaired users thus reducing reliance on complex syntax.
- Conducted a cost-benefit analysis comparing AWS and Google Cloud services to optimize snapshot autosaving functionality.

### UGA EITS

Student IT Assistant

Athens, GA, USA

Aug 2021 - Present

- 1 of 50 students selected to provide end-to-end IT assistance to 35,000+ students, faculty, and staff across campus
- Sustained helpdesk support for laptops, computers, classroom equipment, and 200 printers across campus
- Improved excel inventory management system using scripts and automations of lost and found items that yielded overall 25% increase in item recovery.

## PROJECTS

### BetterBook

React, JavaScript, Spring Boot, MySQL

Aug 2024 - Dec 2024

- Acted as team leader for term project aimed at exploring the Software Development Life Cycle with an Agile approach.
- Implemented Agile development methodologies, managing three sprint cycles to iteratively refine features, optimize database queries, and enhance UI/UX.
- Built a custom admin dashboard for theatre operators, enabling seamless content management, user profile editing, and payment processing.

### Certified Slugger - Baseball's Top Earners

Flask, SQLite, Python, JavaScript

Oct 2024 - Dec 2024

- Sourced real-world data from Kaggle, containing player statistics spanning multiple decades, including batting, pitching, fielding, and salary information.
- Normalized the dataset by structuring tables with proper foreign key relationships, reducing redundancy, and ensuring efficient JOIN operations for complex queries.
- Crafted front-end using Flask framework, paired with SQLite HTML and JavaScript which reduced code redundancy, resulting in instantaneous query responses.

### Botify

JavaScript, ReactJS, HTML, CSS, nodeJS

Aug 2023 - Dec 2023

- Engineered music recommendation web app by querying data from Spotify's Web API in order to auto-generate 15 song playlists adapted from user's library and liked songs.
- Enhanced user experience by embedding music playback options using React to allow users the option to preview recommendations on the app.
- Implemented Spotify's authorization code grant functionality to save generated playlist asynchronously to user's library by requesting tokens and providing client credentials.

## LEADERSHIP

### Site Leader IMPACT UGA Spring 2023

Led diverse group of students on out of state service-learning project aimed at providing meaningful discussions about contemporary social issues and environmental impacts.

## SKILLS

**Technical Skills:** Java, JavaScript, React, SQL, HTML/CSS, Git

**Professional Skills:** SCRUM, Agile Methodologies

**Certifications:** AT&T Technology Development Program, Google UX/UI Foundations Certificate