

Savannah Green

313 Stratford Road, Catonsville, MD | 410-992-265 | Savgreen118@gmail.com

GitHub: <https://github.com/sgreen790> **Portfolio:** <https://sgreen790.github.io/sgreen790-sgreen79.github.io/>

Professional Summary

Detail-oriented and motivated computer science graduate with a strong passion for front-end development and creating user-friendly experiences. Knowledgeable in HTML5, CSS3, JavaScript, Python, and Java. Eager to contribute to innovative development teams and play a role in delivering impactful web applications, following best practices in software testing (JUnit, mutation testing) and version control (git, Bitbucket). I am actively seeking opportunities as a Front -End Developer, Full-Stack Developer, or Software Developer/Engineer, where I can apply my skills to enhance user experiences and support efficient code architecture.

Education

Bachelor of Science, Computer Science

Towson University Towson, MD August 2021- May 2025 3.35 GPA

Related Coursework

Introduction to Computer Science I & II

- Acquired foundational knowledge in object oriented programming through coursework in Java & C++.
- Gained hands on experience developing basic applications and algorithms, reinforcing logical thinking and problem solving skills
- Gained foundational programming experience in Java and C++, focusing on core concepts such as syntax structure and basic algorithm development.
- Completed a series of hands-on coding exercises and small-scale projects using Java and C++, applying programming concepts such as loops, conditionals, functions, and object-oriented design

Software Quality Assurance and Testing

- Studied key concepts and methodologies for ensuring software quality, with a focus on automated testing using JUnit and mutation testing techniques
- Gained hands-on experience designing and executing unit tests to validate code functionality, improve reliability, and detect potential defects early in the development lifecycle.

Object Oriented Programming

- Acquired a solid understanding of software design patterns—including Strategy, Composite, and Decorator patterns, enabling the development of flexible, modular, and maintainable code. Applied these patterns to optimize software architecture and enhance code reusability in academic projects.
- Developed proficiency in creating UML and Class diagrams to visually model software systems, facilitating clear communication of system architecture, object relationships, and design structure during the software development lifecycle.

Web Development

- Designed and developed a responsive front-end web applications using modern JavaScript technologies including React and Node.js, implementing component-based architecture and state management to enhance user experience and application performance.
- Utilized HTML, CSS, and JavaScript to build clean, semantic, and accessible web interfaces, ensuring responsive design and cross-browser compatibility to deliver seamless user experiences across devices.

Work Experience

Towson University, SPAR Help Desk Intern

2022-2025

Collaborated with senior staff / developer on projects with Maryland State government entities including the State Department of Assessments and Taxation (SDAT), Maryland Department of the Environment (MDA), and Maryland Correct Enterprise (MCE) Maryland Environmental Public Health Tracking (EPHT), delivering technology solutions that supported their operational and service goals.

- Conducted thorough testing of website page designs to ensure alignment with wireframes and design specifications for state agency web applications
- Provided reliable IT support by efficiently managing help desk tickets, including password resets, software updates, troubleshooting user issues
- Developed responsive and accessible websites from wireframe blueprints tailored to meet the requirements and compliance standards of state government projects
- Created detailed UML diagrams to model system architectures facilitating clear communication within a team and stakeholders
- Authored clean, maintainable scripts using HTML, CSS, Java, JavaScript, and Python, applying software development best practices to build scalable applications supporting state agency initiatives.

Towson University, First Year Experience Leader

2022

- Provided mentorship and leadership to first-year students, offering guidance and support to help them navigate the transition to university life successfully.
- Lead freshmen students through orientation activities designed to foster community engagement, academic preparedness, and personal development.

Towson University, Towson Opportunities in STEM Peer Mentor

2022-2025

- Served as a positive role model for incoming freshmen, demonstrating leadership, responsibility, and academic dedication.
- Fulfilled the role of counselor during a weeklong summer orientation program, providing support, guidance, and conflict resolution to enhance the newcomer experience.
- Maintained ongoing mentorship relationships with students throughout their academic journey at Towson University, fostering personal growth and academic success.

PetSmart, Cashier

2021

- Assisted customers efficiently during checkout, providing friendly and accurate service to ensure a positive shopping experience.
- Maintained a clean, organized, and safe work environment to support operational efficiency and customer satisfaction.
- Proactively addressed customer needs and concerns, consistently striving to exceed expectations and foster customer loyalty.

Technical Skills

-
- | | | | | | |
|-------------------|---------|--------------|-------|------------------|------------|
| • Microsoft Suite | Java | Python | HTML | CSS | JavaScript |
| • C++ | Junit | Git | Canva | Bitbucket | WordPress |
| • React | Node.js | UML Diagrams | | Mutation Testing | |

Projects

Animal Adoption Platform: Within a team environment, I developed a React and Node web app hosted on Vercel, enabling pet adoption listings, product exchanges, and user reviews.

<https://animal-adoption-azure.vercel.app/home>