

Jason Spratt

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EDUCATION

University of South Carolina College of Engineering and Computing

Columbia, SC

Bachelor of Science (B.S.) in Computer Science

Expected December 2025

- Relevant Coursework: Data Structures & Algorithms, Software Engineering, Digital Logic Design, Discrete Structures, Computer Game Development, Linux Fundamentals, Mobile Application Development, Linear Algebra, Statistics, Networking, Building Secure Software.

Technical Experience & Projects

University of South Carolina College of Engineering & Computing

Columbia, SC

Mobile Application Development

Summer 2024

- Built and tested Android mobile applications using Kotlin in Android Studio, applying object-oriented programming and UI design best practices.
- Developed multiple Android apps in Kotlin using Android Studio and IntelliJ, implementing features such as geolocation, user input handling, and data storage.

Software Engineering

August 2023 – December 2023

- Work to apply the principles of object-oriented software design, including how to describe and model the structure of a system and apply software design patterns.
- Develop understanding of the fundamentals of requirements-based/structure-based software testing methods.
- Create software architectural models and analyze how control and data flow through a system.
- Collaborate with five peers on a semester-long group project to create a project manager app for computer science projects with the intent to keep the user on track and organized with project deadlines and goals.

Building Secure Software

January 2025 – May 2025

- Gained hands-on experience developing software with security best practices integrated throughout the application lifecycle.
- Learned to identify and mitigate common software vulnerabilities (e.g., buffer overflows, injection attacks, insecure cryptographic practices).
- Explored language-level, operating system, and network-based security mechanisms through case studies and programming assignments.

Personal Projects

Columbia, SC

Capstone Recipe Website

2024-2025 School Year

- Built a recipe website with Vue.js and Firebase, adding user authentication and recipe search.
- Implemented unit and integration tests with Jest to ensure code quality across the development cycle.
- Collaborated with a 4-person team through Agile sprints, covering all phases of the software development lifecycle (design, implementation, testing, deployment).
- Our project is currently private as requested by the professor, here is a link to the class' github <https://github.com/SCCapstone>

Portfolio Website

Summer 2023

- Created a job resume portfolio website that includes email integration, networking, and personal statistics for continued updates and benefits using HTML5, CSS, JavaScript.

WORK EXPERIENCE

Nike

Retail Athlete

May 2023 – January 2025

- Delivered excellent service and supported efficient checkout while upholding Nike's brand standards.
- Handled and verified cash and electronic transactions with attention to detail and accuracy.
- Utilized Nike's in-store mobile apps to streamline service and enhance customer interactions.
- Collaborated with teammates to uphold Nike brand standards and contribute to daily sales goals.

SKILLS

Expert (★★★★★): Microsoft365, Java, C++, Python, HTML5, Linux/Unix, CSS3

Advanced (★★★★☆): Git, JavaScript, Google Firebase (Cloud Hosting & Database), Jest, Vue, Unity

Familiar (★★★☆☆): Swift, Assembly, Prolog