James Sprague

Charlotte, NC | j-sprague.github.io | james.sprague53@gmail.com | linkedin.com/in/j-sprague

EDUCATION:

University of North Carolina at Charlotte, Charlotte, NC | May 2024
Bachelor of Science in Computer Science | Concentration: Software Engineering   GPA: 3.70
Honors: Dean's List, Fall 2023

TECHNICAL SKILLS:

Languages: Java, C++, Python, JavaScript, HTML, CSS, SQL
Foundational Concepts: Agile-Scrum framework, Object-Oriented Programming, RDBMS, Static Analysis Techniques
Proficiency: Git, Azure, Figma, Visio, MongoDB, NodeJS, Flask, Android Studio

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WORK EXPERIENCE:

Publix
Bakery Clerk, Gastonia, NC   Sep 2020 - Present
- Provided premiere customer service.
- Assisted customers by answering questions, giving suggestions, and taking special orders.
- Maintained the sales floor to products on store shelves.

COURSE PROJECTS:

Consults With Results, *Software Development Capstone*   Fall 2023
- Developed all functions relating to how users interact with the application, including profile pages, back-end, and database.
- Organized how all application data was stored in the database, ensuring that data is stored consistently and accessed correctly
- Communicated with rest of the development team through daily scrum meetings

Ultimate Match Analyzer, *Computer Vision with Python*   Fall 2023
- Developed a program that uses an object-detection algorithm to gather data about what is happening in a fighting game match
- Trained an object-detection model to detect characters on the screen of a fighting game match, using a training set consisting of hundreds of images

CarCare, *Human-Centered Design*   Spring 2023
- Built an interactive prototype for an application that allows the user to keep track of maintenance that needs to be done for their vehicle
- Conducted usability tests with users who would be interested in the application
- Analyzed usability test and survey results to find how to make the prototype easy to navigate for as many users as possible