James Sprague

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Portfolio: j-sprague.github.io

EDUCATION:

University of North Carolina at Charlotte   August 2020 - May 2024
Bachelor of Science in Computer Science | Concentration: Software Engineering
- GPA: 3.71
- Honors: *Magna Cum Laude*

TECHNICAL SKILLS:

Languages: Java, Python, JavaScript, C++, HTML, CSS, SQL
Topics: Agile-Scrum framework, Object-Oriented Programming, RDBMS, Static Analysis Techniques, Image Recognition, Heuristic Design Analysis, Usability Testing
Technologies: Git, VSCode, Azure, Figma, Visio, MongoDB, Heroku, Bootstrap, JQuery, REST API, Node.js, Flask, Android Studio, Adobe Creative Cloud, Jupyter Notebook, YOLOv8

PROJECTS:

Consults With Results, *Software Development Capstone*   Fall 2023
JavaScript, HTML, CSS, Nodejs, MongoDB, Agile-Scrum
- Created a meeting management application on a team with four other developers.
- Developed functions relating to how user accounts interact with the application, including profile pages front-end, user accounts back-end, and database entries for user accounts.
- Communicated about the project's progress with the development team of five members on a daily basis through scrum meetings and group messages, taking notes on what everyone has completed.

Ultimate Match Analyzer, *Computer Vision with Python*   Fall 2023
Python, Jupyter Notebook, YOLOv8, Image Recognition
- Developed a program that uses an object-detection algorithm to gather data about what is happening in a fighting game match
- Created 159 images to train an object-detection model that can distinguish between eight different characters based on a live game feed.

CarCare, *Human-Centered Design*   Spring 2023
Figma, Heuristic Design Analysis, Usability Testing
- Surveyed 30 potential users of an application meant to track car maintenance for how they would use the application and their needs.
- Built an interactive Figma prototype based on needfinding survey results.
- Conducted usability tests with six users by analyzing how users interacted with the prototype to complete tasks and asking users questions before and after completing tasks.

WORK EXPERIENCE:

Publix
Bakery Clerk, Huntersville, NC   Sep 2020 - Present
- Assist customers by answering questions, giving suggestions, and taking special orders.
- Maintain sales floor by finishing and packaging products.