

# James Sprague

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## 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

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## 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.
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## 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