

Sarah Criswell

Junior Software Engineer | Full-Stack Developer | UI/UX Designer

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Professional Summary

I am a research associate intern at the Medical University of South Carolina. Over the past two years, I have obtained over 662 hours of technical hands-on experience in the field of IT. While my skills are diverse, I specialize in creating clean and beautiful user interfaces that run on secure and efficient back-ends. My most notable project is a picture framing application I developed that has been in daily production use for the past year and a half.

Education

Bachelor of Science, Software Development

ECPI University, Virginia Beach, VA

Expected in November 2025

- 4.0 Cumulative GPA
- Dean's List - 2024
- Student of the Week - December 2024

Associate of Science, Business Administration

Trident Technical College, Charleston, SC

Associate of Science, Management

Trident Technical College, Charleston, SC

Technical Skills

Programming Languages:

- Java
- JavaScript
- C#, C++, C
- Kotlin
- Python

Web Development:

- HTML/CSS
- PHP
- MEAN/MERN Stack Development

Database Management:

- SQL
- Microsoft Access

Cloud Computing:

- AWS Cloud

Computer Configuration:

- Hardware and Software
- OS(Mac, Linux, Windows)
- Networking

Mathematical/Analytical Skills:

- AI/Machine Learning
- Linear Algebra and Statistics

Design & Logic:

- Logic Design (Algorithms, Flowcharts, Pseudocode)
- UML Design
- UI/UX Design for Mobile Applications

Certifications

Certificate of Competency - Fundamentals of Deep Learning, NVIDIA - October 18, 2024

Work History

MUSC – Research Associate Intern, Charleston, SC

(March 2025 – Current)

- Communicate with colleagues in weekly technical meetings on current project status, bug fixes, and help needed
- Consult documentation and conduct research to solve problems and drive solutions
- Conduct bug fixes for known errors in code
- Read and review code and make changes as necessary

Notable Projects:

- Coded a Docx/PDF API module to output user-friendly patient medical summaries
- Writing Python scripts to automate database management

Technologies used:

- JavaScript, Python
- Doc.JS, Node.JS, Express.js, Microsoft Access Database, GitHub

Donovan's Custom Framing and Gifts - Custom Picture Framer, Summerville, SC

(March 2023 – Current)

- Developed an Android App for the shop tablets using Java, Kotlin, and XML in Android Studio.
- Assemble high-quality custom frames using appropriate techniques, such as joining corners securely and mounting artwork professionally.
- Deliver exceptional customer service by promptly addressing inquiries, concerns, and complaints.
- Maintain a clean and organized workspace, ensuring efficient work processes and high-quality results.
- Ensure consistent quality control by inspecting completed frames for accuracy before presenting them to customers for approval or pickup.

Thorne - Inventory Control Analyst, Summerville, SC

(June 2024 - September 2024)

- Verified batch records against actual materials used and resolves variances using Microsoft Dynamics NAV.
- Conducted root cause analyses for discrepancies in inventory records, implementing corrective actions as needed.
- Completed physical inventory counts each month.
- Maintained storage areas for smooth department operations and FDA compliance.

Freeman Freelance Services - Graphic Designer, Ladson, SC

(August 2021 - March 2023)

- Developed creative design for print materials, brochures, banners, and signs.
- Created engaging social media graphics that drove user engagement and increased online visibility.
- Conceptualized unique logo designs for startups, establishing strong visual identities that resonated with target markets.
- Created digital image files for use in digital and traditional printing methods.

Technologies used:

- Adobe Illustrator, Adobe Photoshop, Procreate

The Boeing Company - Production Coordinator, North Charleston, SC

(July 2015 - August 2021)

Worked in commercial airlines supporting the 787 Dreamliner program for 4 years, then in research and development at Boeing Research and Technology for 2 years.

Notable Projects:

- Implemented a safety attachment to make electric forklift charging safer, reducing injuries and equipment damage
- Worked a 12-month special project in 5S Lean Manufacturing that was adopted site-wide

Technologies Used:

- BESSY, Cribmaster, ERPLN, HazTrax, KITS, Order Manager, SAT

Certifications Obtained:

- Forklift (Internal Combustion < 15k, Internal Combustion > 30k, Electric < 15k)
- HazMat (49 CFRDOT Hazmat Certification)

Daily Requirements:

- Coordinated with production teams to support productivity targets and deadline management.
- Coordinated communication between departments, fostering a collaborative work environment.
- Managed daily operations on the production floor, maintaining a safe and organized workspace.
- Supported continuous improvement initiatives by identifying areas for process optimization using data analysis tools and visuals.
- Prepared orders for shipment, posting weights and shipping charges onto packaging, marking materials with identifying information and updating logs of shipments outgoing and incoming.
- Worked according to operating procedures and FAA regulations
- Collected and disposed of hazardous waste produced in research laboratories across the site.
- Safely loaded and unloaded trucks using appropriate forklift attachments, reducing the risk of accidents or injuries.

