

Lane Bryant

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SUMMARY

Data Collection Specialist with 2 years and 8 months supporting **AR/VR** research, connected device studies, participant sessions, and technology product testing. Coordinates **on site** and remote collection activities, manages schedules, tracks communications, and records study progress against milestones. Uses Linux terminal workflows, SSH, shell scripts, command line file operations, JSON editing, **VSCode remote debugging**, and basic hardware diagnostics to prepare stations and investigate collection failures. Validates research records, identifies data gaps, presents findings through **charts and graphs**, and documents clear reproduction steps for technical teams. Experience includes Android focused environments, device intake, inventory movement, software validation, process guides, training materials, and cross functional issue triage. Brings accurate execution, calm participant support, and practical communication that can strengthen dependable data collection operations.

EXPERIENCE

Data Collection Specialist, Connected Device Studies

March 2025 - Present

Vertex Experience Lab

Austin, TX

Supports AR/VR and connected device studies across participant coordination, collection station readiness, data validation, device logistics, and technical issue triage. Partners with research, operations, engineering, and software stakeholders while maintaining accurate records and dependable study progress.

- Facilitated scripted participant sessions for connected device prototypes, capturing feedback and collection status.
- Prepared collection stations with Linux commands, build checks, and wired or wireless connection tests.
- Investigated failed collections using SSH, **shell scripts**, JSON edits, and **VSCode remote debugging**.
- Managed **device intake**, inventory validation, packaging, and **shipment** records across study locations.
- Validated research outputs, identified **data gaps**, and presented findings through spreadsheets, charts, and graphs.
- Maintained appointment notes, training references, daily logs, and issue escalations for **cross functional teams**.

AR/VR Data Collection Research Assistant, Wearable Studies

January 2024 - February 2025

University Research Lab

Austin, TX

Supported supervised AR/VR studies involving wearable hardware, Linux workstations, participant scheduling, structured observations, and **research data** review. Helped student researchers reproduce collection procedures and communicate hardware findings with clarity.

- Supported supervised **AR/VR** sessions through scheduling, protocol setup, consent support, and observation capture.
- Configured Linux workstations using **SSH**, terminal commands, and **shell scripts** for device data transfer.
- Debugged connected **hardware**, compared prototype iterations, and recorded reproducible connectivity failures.
- Reviewed JSON configuration files, corrected approved fields, and maintained version notes for researchers.
- Used advanced spreadsheet queries and **data manipulation** to validate records and prepare review charts.
- Created troubleshooting guides that helped student researchers repeat collection procedures consistently across sessions.

PROJECTS

Connected Device Readiness Program 📅 2025

Worked with research and technical peers to standardize station checks, device readiness records, and failure notes. Shared practical steps that made session preparation easier for new team members.

AR/VR Prototype Feedback Study 📅 2024

Collaborated with student researchers during wearable device sessions, grouping participant feedback and comparing prototype behavior. Clear notes helped research partners focus follow up testing on recurring issues.

LEADERSHIP & AWARDS

- Recognized by research peers for dependable AR/VR session support and accurate study records.
- Selected by lab supervisors to create reusable setup and troubleshooting guidance for student researchers.
- Commended for clear defect reproduction notes that helped technical partners assess collection failures.

EDUCATION

Bachelor's Degree in Information Science

2023

Texas State University GPA: 3.5

San Marcos, TX

Coursework: Data management, research methods, information systems, human computer interaction

CERTIFICATIONS

- Linux Command Line Fundamentals 📅 2024
- Android Development Foundations 📅 2024

TECHNICAL SKILLS

- **Linux Administration:** Linux terminal, SSH, shell scripts
- **Command Line Operations:** File copying, file movement, console commands
- **Android Tools:** Android DataBase, Android DataSuite, Flashstation
- **Remote Debugging:** VSCode remote debugging, SSH sessions, log review
- **Data Formats:** JSON editing, JSON validation, configuration files
- **Hardware Connectivity:** Wired devices, wireless devices, host computers
- **Research Data:** Data collection, data validation, feedback categorization
- **Data Analysis:** Advanced queries, data manipulation, spreadsheets
- **Visualization:** Charts, graphs, stakeholder presentations
- **Study Operations:** Session scheduling, milestone tracking, activity logs
- **Device Logistics:** Device intake, inventory records, intersite shipment
- **Documentation:** Process guides, training materials, reproduction steps

SKILLS

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|----------------------------|------------------|---------------------|--------------------------|
| • Data collection | • Linux terminal | • Data validation | • Charts and graphs |
| • Participant coordination | • SSH | • Issue triage | • Process documentation |
| • AR/VR research | • Shell scripts | • Advanced queries | • Customer communication |
| • Hardware integration | • JSON editing | • Data manipulation | |

PROFESSIONAL AFFILIATIONS

- AR and VR research community participant focused on connected device study practices.
- Linux and open technology learning community member focused on practical terminal workflows.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST