

Chelsea Doop

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Graduate student in Biological Data Science with experience in clinical research operations, participant coordination, and regulatory-compliant study procedures. Currently serving as a Clinical Screening Coordinator supporting clinical trial enrollment, protocol-required assessments, specimen processing, and research documentation in accordance with GCP standards. Skilled in clinical systems, participant-facing care, and biological data analysis, with a strong foundation in healthcare and translational research.

Education

Master of Biological Data Science | Arizona State University | Tempe, Arizona

Currently Enrolled | Expected May 2027

- Coursework: Statistics for Biological Data Science 1 & 2, Intro to Python Programming, Database Systems & Python
- Involvement: IDEAS Society at ASU Member

Bachelor of Science, Biological Sciences | Arizona State University | Tempe, Arizona

August 2025

- Coursework: Undergraduate Research, Technical and Scientific Writing, Genetics, Evolution, Functional Genomics, Microbiology, Conservation of Biodiversity, Structure and Functions, Biostatistics, Organic Chemistry
- Involvement: IDEAS Society at ASU Member

Associate of Arts | Spokane Community College | Spokane, Washington

December 2019

Technical Skills

- Clinical Research and Systems:
 - GCP Certified
 - Informed Consent
 - EMR
 - EDC
 - CTMS
 - IATA (Cat A & B) Certified
 - Regulatory Compliance (FDA & HIPAA)
 - ECG
 - Spirometry (trained)
- Programming and Analysis:
 - R
 - JMP Statistical Analysis
 - Excel
 - Python (introductory)
- Bioinformatics/Genomics Tools:
 - IGV (coursework experience)
 - CCLE dataset familiarity
 - Foundational Unix/command line
- Laboratory:
 - Aseptic technique
 - DNA extraction
 - Cell passaging
 - Aliquoting biological samples
- General:
 - Scientific & Technical writing
 - HPC familiarity (coursework)
 - CPR/BLS certified
- Microsoft Office
- Currently building github repository at <https://github.com/chelseadoop>

Research Experience

GENOMICS UNDERGRADUATE RESEARCHER – WILSON & PLAISIER LAB

Arizona State University | September 2023 – December 2023 | Tempe, AZ

- Analyzed gene expression to determine sex chromosomes present in cancer cell lines by utilizing the Cancer Cell Line Encyclopedia (CCLE) and R programming.
- Gained experience using command-line programming to visualize genomic data with applications like IGV.

UNDERGRADUATE INDEPENDENT RESEARCHER– HOLECZEK LAB

Arizona State University | September 2023 – October 2024 | Tempe, AZ

- Utilized All of Us database to conduct statistical analysis to illustrate the correlation between sex hormone fluctuations and Hashimoto's Thyroiditis/Autoimmune Thyroiditis.
- Presented independent findings at BioSci Symposium -- October 2023

UNDERGRADUATE BIOLOGY RESEARCHER – LEI LAB

Arizona State University | January 2023 – May 2023 | Tempe, AZ

- "The Effect of Temperature Change on the Oviposition Rate of the Queen Honeybee"
- Presented findings at 30th Annual SOLS Symposium -- April 2023.
- Received Honorable Mentions Award in Conservation and Ecology

Clinical Experience

CLINICAL SCREENING COORDINATOR | CENTRICITY RESEARCH | RINCON, GA

March 2026 – PRESENT

- Conduct protocol-driven participant screening and eligibility assessments; document outcomes in EDC/CTMS systems
- Obtain informed consent and educate participants on study procedures, risks, and benefits
- Perform protocol-required study procedures including ECGs, specimen collection, and processing; support spirometry assessments and review results for study qualification and protocol compliance in accordance with GCP standards.
- Utilize EDC, CTMS, and IRT systems to manage participant activity, screening outcomes, and study documentation
- Maintain accurate source documentation, regulatory records, laboratory logs, and temperature monitoring to ensure audit readiness and protocol compliance
- Coordinate participant visits and collaborate with investigators and cross-functional teams to support enrollment, retention, and study timelines
- Process, aliquot, label, store, and ship biological specimens while maintaining chain-of-custody and integrity standards

CERTIFIED NURSING ASSISTANT | SELECT SPECIALTY HOSPITAL | SAVANNAH, GA

May 2021 – March 2026

- Provide long-term acute care for ventilated and medically complex patients.
- Maintain patient safety by practicing sterilization and equipment decontamination.
- Preceptor for new staff and contributor to improved orientation/training processes.

HOME HEALTH CNA | ADDUS HOMECARE | SPOKANE VALLEY, WA

July 2016 – February 2021

- Supported clients with hygiene, mobility, and daily living tasks.
- Provided patient transport to appointments and essential services.
- Assisted with medication administration and reminders, and maintained safe home environments.

CNA/RESTORATIVE AIDE | HARBOURWOOD NURSING AND REHAB | CLEARWATER, FL

March 2010 – June 2014

- Assisted patients with ADLs; supported restorative exercise programs; documented patient progress.

NURSING ASSISTANT/ RESTORATIVE AIDE | SENIOR HEALTHCARE | CLEARWATER, FL

November 2008 – July 2009

REHABILITATION TECHNICIAN | PEOPLEFIRST REHABILITATION | CLEARWATER, FL

October 2007 – May 2009

- Maintained therapy equipment, prepared documentation, and assisted PTs with therapeutic exercise instructions.

Additional Experience

CUSTOMER SERVICE AGENT | ALORICA | SPOKANE VALLEY, WA

October 2015 – June 2016

- Handled calls related to employer-funded financial accounts; resolved discrepancies and escalated complex issues.

MULTI-DEPARTMENT ASSOCIATE | KOHL'S CORPORATION | SPOKANE VALLEY, WA

July 2014 – November 2015

- Managed inventory, cash handling, and customer service while maintaining store organization and cleanliness.