SADE TOPPS

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LycheeLoop

Atlanta Metro

SKILLS

TECHNICAL SKILLS
Python (data cleaning, automation, API integration)

SQL (PostgreSQL, SQLite)

Pandas, NumPy, Matplotlib

Flask

Git/GitHub

Heroku, Google Colab

Markdown, HTML/CSS

DATA & ANALYSIS
Data Annotation & Labeling

Data Entry & QA

Diagnostic Data Interpretation

Literature Review & Summarization

Clinical Data Abstraction

Shopify

TOOLS & PLATFORMS
Postman (API testing)

Slack, Zoom, Dropbox

Excel, Google Sheets

Google Colab

MACHINE LEARNING
PyTorch - Basics

HuggingFace

SUMMARY

Detail-oriented professional with hands-on experience in donor diagnostic testing, veterinary laboratory diagnostics, and clinical annotation. Proficient in performing and verifying moderate to high-complexity assays, managing biological data, and maintaining compliance with regulatory standards in CLIA-certified environments. Skilled in Python for data analysis and workflow automation, with a strong commitment to accuracy, efficiency, and quality. Demonstrated ability to manage complex technical tasks requiring precision, empathy, and clear communication across clinical and analytical settings.

EDUCATION
BS Biology – Georgia State University 2020

PROFESSIONAL AND RESEARCH EXPERIENCE

Lab Technician I – Diagnostic Testing (CLIA Laboratory)
Qualtex Laboratories, Norcross | September 2025- Present

- Performed moderate- to high-complexity diagnostic assays, including RPR testing for syphilis and other transfusion-transmissible diseases, ensuring donor blood safety and regulatory compliance.
- Conducted nucleic acid testing (NAT) pooling using the Hamilton STAR automated liquid-handling system to prepare donor samples for molecular screening for HIV, HBV, HCV, HAV, and Parvovirus B19.
- Operated and maintained advanced laboratory instrumentation, including the ASI Evolution and Roche Cobas p512, supporting high-throughput processing of 500+ whole blood, plasma, and serum samples daily.
- Executed pre-analytical automation workflows on the Cobas p512, including specimen decapping, barcode registration, volume/level detection, and sample sorting to ensure accurate downstream molecular and serologic testing.
- Conducted daily quality control procedures, instrument calibrations, and preventative maintenance; documented all activities to maintain data integrity and traceability within STARLIMS, IDetic, and Instrument Manager systems.
- Evaluated and verified test results, performing reruns and ordering backup samples when necessary to prevent false negatives and ensure accurate donor screening outcomes.
- Reported and coordinated with instrument manufacturers (e.g., Arlington Scientific) to troubleshoot technical issues and minimize testing downtime.
- Executed aseptic cleaning and contamination-control protocols in compliance with CLIA, CAP, and laboratory safety standards.
- Supported sample intake by verifying, logging, and routing incoming donor specimens through the laboratory's tracking systems to optimize workflow.
- Provided internal client support by documenting and tracking technical and workflow issues in the Halo ticketing system.

Standardized Test Scorer – Biology & Physics
Data Recognition Corporation, Remote | April 2025- Present

- Evaluated open-response science assessments focusing on biological and physical science concepts, ensuring accurate and consistent scoring in alignment with standardized rubrics.
- Applied objective judgment while interpreting nuanced student responses to assess the depth of understanding and conceptual accuracy.
- Reported testing anomalies and rubric discrepancies to supervisors for review.
- Maintained daily scoring quotas while upholding quality standards and attention to detail in a fast-paced, remote environment.
- Collaborated with a team of scorers and participated in calibration sessions to ensure rater reliability and adherence to scoring guidelines.

Medical Analyst/Annotator
AiCure, Remote | 2022- 2024

- Conducted clinical media annotation to support research and development.
- Assisted with clinical trial operations and ensured adherence to protocols.
- Identified and documented technical and behavioral issues for escalation.
- Reviewed and adjudicated computer vision outputs for accuracy and compliance.
- Analyzed patient behavior to provide insights for clinical studies.
- Applied binary flags for data categorization and quality control.

Freelance Writer/Editor/Data Entry
TransPerfect, SuperAnnotate, Remote | 2020- Present

- Conducted annotation and provided training for AI model development.
- Fact checking of STEM related and general content.
- Applied Markdown formatting standards
- Performed detailed proofreading to ensure error-free and polished outputs
- Managed data entry tasks with precision and efficiency.

Veterinary Lab Technician
Banfield Animal Hospital, Roswell, GA | 2017 - 2019

- Provided comprehensive administrative support, including scheduling and managing multi-line phone systems.
- Analyzed patient accounts and coordinated with external hospitals to exchange medical records efficiently.
- Strategized workflows to optimize scheduling and enhance operational efficiency.
- Conducted various diagnostic procedures, including urinalysis, WBC differential analysis, cytology, and fecal examinations.
- Performed radiograph imaging (full body and dental) and biochemical blood and electrolyte analyses.
- Executed SnapTests for diagnostic purposes (e.g., Giardia, Heartworm, Pancreatitis, FeLV).
- Administered vaccinations and placed catheters and IVs with precision.
- Documented patient examinations and organized pharmaceutical refills and orders.

- Educated clients on medication administration and provided detailed aftercare instructions.
- Operated laboratory equipment such as centrifuges, microscopes, and autoclaves with accuracy.
- Assisted veterinarians in surgical preparation, procedures, and TPR (temperature, pulse, respiration) monitoring.
- Trained and mentored new lab employees in diagnostic methods and laboratory protocols.
- Supported clients with empathy during emotionally sensitive euthanasia procedures.
- Identified parasites and contributed to accurate diagnostic reporting for patient care

Enrichment/Conservation Intern
Zoo Atlanta | August 2019-December 2019

- Observed and documented primate behavior to assess well-being and enrichment needs.
- Designed and implemented enrichment devices tailored to various primate species.
- Contributed to conservation and enrichment planning efforts to enhance animal welfare.
- Collaborated with teams to support zoo-wide conservation initiatives.

Veterinary Lab Technician
VIPPetcare, Atlanta, GA | 2015 – 2017

- Educated clients on the importance of preventative care and the risks of bacterial and zoonotic diseases.
- Assisted veterinarians with animal restraints during vaccinations, medication administration, blood draws, and microchipping.
- Performed blood draws and administered vaccinations and medications with precision.
- Conducted vaccinations and blood draws for animals at the Cobb Animal Shelter.
- Managed the organization and care of medical supplies, including inventory counts, medication refills, and equipment cleaning.

RESEARCH EXPERIENCE

Pharmaceutical Lab Immersion Intern
Dr. Rao Mukkavilli | Georgia State University | Summer 2017

- Conducted natural product extraction using maceration techniques.
- Performed solubility assays of drug compounds with UV spectrometry.
- Executed simulated gastric and intestinal fluid assays to evaluate drug stability.
- Carried out MTT assays to assess cell viability and drug efficacy.
- Conducted Western blot protein separation for molecular analysis.
- Prepared buffers and stock solutions with precise measurements.
- Calibrated pH meters and micropipettes to maintain accuracy in experiments.
- Cultured and froze cells, ensuring proper media transport and storage conditions.
- Performed cell uptake assays using liquid chromatography techniques.
- Safely handled and cultured cancerous cells for experimental applications.
- Participated in lectures covering key pharmaceutical concepts, including pharmacovigilance, post-marketing surveillance, and ADMET profiling.
- Gained foundational knowledge of clinical trial phases (I-IV) and the full drug development pipeline, from hit selection to target identification.
- Explored regulatory and safety considerations in medicine design and approval, reinforcing an understanding of drug efficacy and patient safety.