

EDUCATION

Columbia University, Mailman School of Public Health – New York, NY May 2027
Master of Public Health in Biostatistics, Certificate in Comparative Effectiveness Outcomes Research (CEOR)

University of North Carolina at Chapel Hill – Chapel Hill, NC May 2025
B.S Quantitative Biology, B.S Statistics and Analytics, *Minor in Neuroscience*

EXPERIENCE

Extern, PwC – Remote June 2026 - Present

PwC AI-Powered Nonprofit Consulting and Data Analytics Extern

- Analyzed 25+ years of juvenile justice facility data across 5 datasets in Python to identify predictors of youth safety outcomes including assault rates and recidivism and applied AI tools to accelerate research synthesis
- Translated statistical findings into strategic consulting recommendations, written briefs, and presentations for CIYJ leadership and state agency decision-makers to inform policy recommendations and facility-level practice change

Extern, Pfizer – Remote May 2026 – Present

Pfizer Advanced AI-Powered Document Intelligence Extern

- Built AI pipelines to process pharmaceutical vendor files using OCR and RAG for data extraction and classification
- Developed a RAG-based document retrieval system (LlamaIndex) optimized with chunk tuning/ open-source LLMs
- Conducted end-to-end evaluation of document intelligence system-benchmarking OCR accuracy, RAG retrieval quality, and routing performance; delivered technical report and demo UI outlining model trade-offs and optimization strategies

Breast Cancer Hub – Concord, NC March 2018 – Present

Published Scientific Intern/ Research Project Assistant

- Analyzed post-mastectomy breast reconstruction outcomes data and co-authored published research translating statistical findings into evidence-based clinical recommendations for surgical decision-making
- Designed and validated evidence-based liver cancer (FLL-HCC) detection screening tools adopted by medical schools in India, applying data synthesis and risk modeling to standardize diagnostic pathways
- Co-founded a virtual fundraising initiative during COVID-19, tracking donor engagement metrics and raising \$2,000+ over three months to support underserved patients and community-based cancer research

Carolina Institute of Developmental Disabilities – Chapel Hill, NC July 2023 – May 2025

Undergraduate Clinical Research Assistant

- Built automated data tracking systems across three neurodevelopmental protocols using REDCap, yPrime, and Excel; developed structured queries and validation checks to identify discrepancies in EEG, behavioral, and outcome datasets
- Collaborated with research coordinators and clinical teams to streamline data collection workflows, conducting root-cause analyses on dataset discrepancies to reduce turnaround time between clinical assessments and database entry

LEADERSHIP & CERTIFICATIONS

Columbia Mailman Consulting Club – New York, NY March 2026 – Present

Vice President of Communications

- Manage communications between the club, consulting firms, and industry partners to coordinate events and company engagements; develop data-driven findings through healthcare strategy case consulting and structure analytical insights

Forage, Oliver Wyman Integrated Consulting Group Job Simulation Certificate June 2026

- Analyzed financial and operational data for an insurance client, diagnosed underperformance across key metrics, and developed client-facing deliverables including a hypothesis deck, KPI dashboard, and executive strategy presentation

Forage, PwC US Management Consulting Job Simulation Certificate June 2026

- Conducted transaction diligence for a simulated M&A engagement, built a financial model with editable assumptions in Excel, and synthesized synergy potential into an executive presentation with a stakeholder summary for J&J

TECHNICAL SKILLS & INVOLVEMENT

- Data Analytics:** Programming (R, Python, SAS, STATA, MATLAB), Machine Learning, Deep Learning, Microsoft Office Suite, Excel, Data Mining and Modeling (Regression Analysis, Simulation, Association, Optimization), Tableau
- Coursework:** Statistical Computing in SAS, Optimization for Machine Learning & Neural Networks, Computational Neuroscience, Stochastic Modeling, Quantitative Personalized Genomics, Probability and Methods of Data Analysis
- Involvement:** GoPeer Tutor (10+ Years), Columbia Biostatistics Student Ambassador, Columbia Health Tech Club