Haley Luu

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PROFESSIONAL SUMMARY

MPH Epidemiology candidate with a background in healthcare, public health informatics, and biomedical research. Experienced in analyzing health data, conducting research, and developing dashboards to support evidence-based decision-making. Skilled in R, Stata, SQL, Excel, and Amazon QuickSight, with a focus on translating data into meaningful insights.

SKILLS

Epidemiology & Biostatistics: Epidemiologic methods, descriptive statistics, multivariable regression, secondary data analysis, population health analysis

Data & Tools: R, Stata, SQL Server, Excel, Amazon QuickSight, Tableau, data cleaning and validation, Python (developing proficiency)

Research & Communication: Literature reviews, qualitative interviews, scientific writing, data visualization, technical documentation

EDUCATION

Master of Public Health (MPH), Epidemiology
University of Texas Health Science Center at Houston · Expected December 2026
Data Science Certificate (in progress)

Master of Science (MS), Biology – Translational & Clinical Research
George Mason University · 2022

Bachelor of Science (BS), Chemistry, Minor in Biology
Shenandoah University · 2019

RESEARCH & APPLIED ANALYTICS EXPERIENCE

Public Health Data & Informatics Intern
Connected Care Exchange / Rio Grande Valley Health Information Exchange · May 2026 – Present

- Developed interactive Amazon QuickSight dashboards using SQL Server data to visualize patient demographics and hospital encounters for clinical partners.
- Independently performed SQL joins, data cleaning, and validation on healthcare datasets containing more than 1,000 patient records.
- Assessed data completeness and consistency across demographic and encounter variables.
- Created dashboard documentation and presented functionality to stakeholders to support interpretation and use of dashboard findings.

Applied Statistical Analysis Projects (MPH)
UTHealth Houston School of Public Health · Jan 2024 – Present

- Cleaned, recoded, and analyzed secondary public health datasets, including NHANES, using R and Stata.
- Conducted descriptive and multivariable analyses to examine population health outcomes and associations.
- Generated statistical tables and figures, documenting analytic methods, variable definitions, and findings.

Public Health Data Analyst Intern
UTHealth Houston School of Public Health · Houston, TX (remote) · June 2025 – Sept 2025
GET PHIT Consortium · Internship Site: University of Texas MD Anderson Cancer Center

- Conducted a scoping literature review examining barriers and facilitators to cervical cancer screening in clinical settings.
- Developed semi-structured interview guides and conducted qualitative interviews with clinicians across healthcare institutions.
- Synthesized qualitative findings into reports and presentations to inform research and program recommendations.

Research Technician II/III

HHMI Janelia Research Campus · Ashburn, VA · Apr 2022 – May 2026

- Supported biomedical research and viral vector production through molecular biology procedures, quality control, and technical documentation.
- Developed Excel-based tracking systems and analyzed production metrics to support reporting and operational decisions.
- Investigated contamination events and batch-level discrepancies, documenting corrective actions and presenting findings to laboratory leadership.

Graduate Student Researcher (MS Biology)

George Mason University · Apr 2021 – Sept 2022

- Conducted graduate research on host defense mechanisms in pulmonary disease models.
- Completed an independent literature review on pharmacogenomics in oncology and presented findings in written, poster, and oral formats.

ADDITIONAL HEALTHCARE EXPERIENCE

Trainee Medical Technologist

Quest Diagnostics · Chantilly, VA · Aug 2021 – Apr 2022

- Processed high-volume clinical samples in a quality-controlled laboratory environment.
- Monitored assay performance and documented results in laboratory information systems.

Certified Pharmacy Technician

Costco Wholesale · Leesburg, VA · May 2018 – Aug 2021

- Processed prescriptions and insurance claims and ensured compliance with HIPAA and payer requirements.
- Verified patient and medication information and coordinated with providers and insurers to resolve medication access issues.

CONFERENCE ABSTRACTS & PRESENTATIONS

Bednar, E. M., Paredes, S., **Luu, H.**, et al. (2026). *Clinic assessment for HPV vaccination and cervical cancer screening in three Southeast Texas community health centers* [Conference abstract]. CPRIT Innovations VII: The Cancer Prevention and Research Conference.

LEADERSHIP, AFFILIATIONS & TRAINING

Leadership: Vice President of Philanthropy, Society for Women and Leadership, UTHealth (2024–2025)

Professional Affiliations: American College of Epidemiology; Virginia Public Health Association

Professional Training: GET PHIT certificates in Public Health Informatics, Health Data Science, Health Equity, and Public Health Analytics; CITI Social & Behavioral Research and Data Acquisition & Management

Languages: English and Vietnamese (fluent); Spanish (intermediate)