Yunhong Wu

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EDUCATION

University of Wisconsin-Madison — **Madison, WI**
Doctor of Philosophy in Biomedical Data Science, GPA: 4.00/4.00 — *June 2022 – Expected Dec. 2026*

Harvard T.H. Chan School of Public Health — **Boston, MA**
Master of Science in Biostatistics, GPA: 3.93/4.00 — *Sept. 2018 – May 2020*

University of Wisconsin-Madison — **Madison, WI**
Bachelor of Science in Statistics, Minor in Computer Science, GPA: 3.92/4.00 — *Sept. 2014 – Dec. 2017*

EXPERIENCE

University of Wisconsin School of Medicine and Public Health — **Madison, WI**
Graduate Research Assistant — *June 2022 – Present*

- Develop statistical methods for estimating baseline and conditional survival functions under the assumption of monotone hazards.
- Extended penalized spline of propensity methods for treatment comparison by balancing covariates via propensity score weighting.
- Investigated win ratio on interpretation of composite endpoints in clinical trials by designing simulations and conducting analysis.

Boston Children's Hospital — **Boston, MA**
Biostatistician I; Supervisor: Dr. David Wypij — *June 2020 – June 2022*

- Applied advanced statistical and data science methodologies to the design and analysis of biomedical research and clinical data.
- Developed statistical analysis plans, statistical reports, Data and Safety Monitoring Board (DSMB) reports, and data summarization.

Boston Consulting Group — **Shanghai, China**
Part-Time Assistant — *Dec. 2019 – Jan. 2020*

- Provided statistical support for real world evidence studies such as conducting power analyses to determine required sample sizes.

Vertex Pharmaceuticals — **Boston, MA**
Statistical Programming Intern — *May 2019 – Dec. 2019*

- Built a log message navigation tool with SAS Macro to boost up the efficiency of identifying and correcting issues in SAS log.
- Created SAS analysis datasets and generated tables, figures, and listings for regulatory submission following CDISC standards.

Eli Lilly (China) R&D Co., Ltd. — **Shanghai, China**
Biostatistics Intern — *Mar. 2018 – Aug. 2018*

- Performed data wrangling and analyzed healthcare data; produced tables/figures for study reports; wrote abstract and designed poster.
- Developed an interactive web application with R-Shiny to facilitate design of clinical studies by visualizing trends of survival curves.

University of Wisconsin School of Medicine and Public Health — **Madison, WI**
Undergraduate Research Assistant; Advisor: Dr. Thomas Cook — *Apr. 2017 – Feb. 2018*

- Created an imputation procedure for data missing not at random by post-processing datasets imputed assuming missing at random.

Undergraduate Research Assistant; Advisor: Dr. Richard Chappell — *Oct. 2017 – Dec. 2017*

- Analyzed clinical data from breast cancer patients using R and identified possible factors to predict tumor recurrence.

PUBLICATIONS

- Wu A, **Wu Y**, Natarajan V, Singh P, Cheema W, Hossain R, Liu C, Mejia Y, Oo M, Valenzano B, Xu Y (2023). Complementary and alternative medicine (CAM) use in cancer patients of immigration background. *Submitted.*
- Tremblay E, Millington K, **Wu Y**, Wypij D, Agus M, Wolfsdorf J (2022). Utility of Plasma Beta-Hydroxybutyrate to Define Resolution of Diabetic Ketoacidosis. *Pediatric Diabetes*.
- Alizadeh F, Morell E, Hummel K, **Wu Y**, Wypij D, Singleton PJ, Matthew D, Esteso P, Moynihan K, Blume ED (2022). The Surprise Question as a Trigger for Primary Palliative Care Interventions for Children with Advanced Heart Disease. *Pediatr Cardiol*.
- Lin DD, **Wu Y,** Toom S, Sheth N, Becker K, Burdette-Radoux S, D'Silva J, Huang Y, Lipshitz J, Meghal T, Mo L, Murthy P, Rubin P, Natarajan V, Donahue B and Xu Y (2021). Clinical Determinants Differentiating the Severity of SARS-CoV-2 Infection in Cancer Patients: Hospital Care or Home Recovery. *Front. Med.* 8:604221.

POSTERS/ABSTRACTS

- Zhou Z, Wang K, **Wu Y**, Jiang S (2018). Patient characteristics, glycemic levels, and association with blood glucose testing behaviors – a retrospective analysis from Lilly Connected Care Program. *Diabetes Metab Res Rev,* 34 (S1): e3079.

SKILLS

- Computer skills: R, R-Shiny, SAS, SQL, Python, Java, MATLAB, LaTeX, East, Microsoft Office, macOS, Unix/Linux, Windows